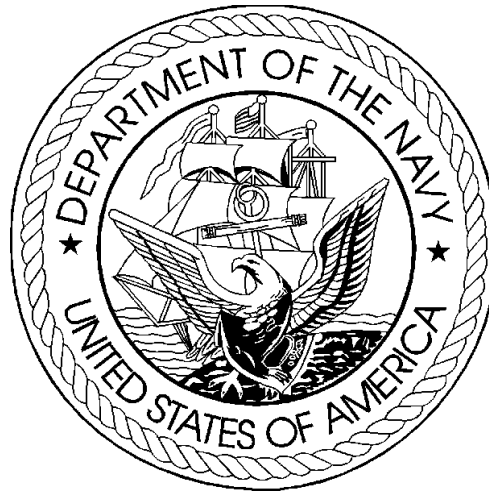


DEPARTMENT OF THE NAVY FY 1998/1999 BUDGET ESTIMATES



JUSTIFICATION OF ESTIMATES

OTHER PROCUREMENT, NAVY BUDGET ACTIVITY 3

FEBRUARY 1997

UNCLASSIFIED

EXHIBIT P-1

DEPARTMENT OF THE NAVY
FY 1998/FY 1999 PROCUREMENT PROGRAMS

APPROPRIATION: 1810N Other Procurement, Navy

DATE: 02/04/97

LINE NO	ITEM NOMENCLATURE	IDENT CODE	DOLLARS				MILLIONS OF DOLLARS			
			FY 1998	----- FY 1996 -----	----- FY 1997 -----	----- FY 1998 -----	----- FY 1999 -----			
			UNIT COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY
BUDGET ACTIVITY 03: Aviation Support Equipment										
Sonobuoys										
124	4005 AN/SSQ-36 (BT)	A			0.2		0.9		1.4	1.4 U
125	4025 AN/SSQ-53 (DIFAR)	A			-		15.7		28.4	26.4 U
126	4032 AN/SSQ-62 (DICASS)	A			4.0		31.2		24.3	25.8 U
127	4036 AN/SSQ-101 (ADAR)	B			-		-		-	22.6 U
128	4038 AN/SSQ-110	A			21.4		35.2		-	14.9 U
129	4045 Signal, Underwater Sound (SUS	A			-		1.1		0.7	1.3 U
Aircraft Support Equipment										
130	4204 Weapons Range Support Equipme	A			47.2		27.1		4.9	15.7 U
131	4208 Expeditionary Airfields	A			5.8		1.5		1.3	5.1 U
132	4214 Aircraft Rearming Equipment	A			7.5		9.1		10.4	13.2 U
133	4216 Aircraft Launch & Recovery Eq	A			16.5		28.2		29.6	39.3 U
134	4218 PREDATOR UAV (DARP)				-		5.6		-	- U
135	4220 PIONEER UAV (DARP)				-		25.0		-	- U
136	4226 Meteorological Equipment	A			19.7		16.7		17.8	23.9 U
137	4242 Other Photographic Equipment	A			0.7		0.7		0.8	1.0 U
138	4244 Aviation Life Support	A			15.2		13.5		15.3	27.8 U
139	4248 Airborne Mine Countermeasures	A			22.7		13.2		20.2	28.0 U
140	4255 LAMPS MK III Shipboard Equipm	A			16.1		14.9		5.8	- U
141	4256 REWSON Photographic Equipment	A			0.6		0.9		0.7	1.3 U
142	4259 Stock Surveillance Equipment	A			1.5		1.6		1.6	1.8 U
143	4265 Other Aviation Support Equipm	A			13.0		7.7		6.2	6.4 U
144	4271 Safety & Survivability Items				0.1		-		-	- U
TOTAL Aviation Support Equipment					192.1		249.8		169.3	255.9

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: FEB 1997																			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy B.A.3 - Aviation Support Equipment					P-1 ITEM NOMENCLATURE P-1 # AN/SSQ-36 (BT) SONOBUOY PEO(A) PROGRAM NARM # 400500																			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003																
QUANTITY																								
COST (In Millions)	\$0.2	\$0.9	\$1.4	\$1.4	\$1.4	\$1.4	\$0.9	\$0.9																
<p>The AN/SSQ-36 is an air-dropped bathythermograph transmitting set that is used to provide a vertical temperature profile of the ocean with respect to depth. The data is transmitted to the ASW aircraft to assist in the selection of hydrophone depths and tactics in the localizing and tracking of submarines. The information on ambient water conditions is also used for long forecasts of acoustic conditions in the ocean.</p> <p>The FY 96 contract has been awarded to Sparton for a quantity of 669 AN/SSQ-36B's.</p> <p>The FY 97 program provides for 4,100 AN/SSQ-36B's to be competed among qualified manufacturers.</p> <p>The FY 98 program provides for 6,473 AN/SSQ-36B's to be competed among qualified manufacturers.</p> <p>The FY 99 program provides for 6,287 AN/SSQ-36Bs to be competed among qualified manufacturers.</p> <p>RESERVE FUNDING INCLUDED IN TOTAL (\$000)</p> <table style="width: 100%; margin-top: 10px;"> <tr> <td style="text-align: center;">FY 96</td> <td style="text-align: center;">FY 97</td> <td style="text-align: center;">FY 98</td> <td style="text-align: center;">FY 99</td> <td style="text-align: center;">FY 00</td> <td style="text-align: center;">FY 01</td> <td style="text-align: center;">FY 02</td> <td style="text-align: center;">FY 03</td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">27</td> <td style="text-align: center;">42</td> <td style="text-align: center;">56</td> <td style="text-align: center;">55</td> <td style="text-align: center;">55</td> <td style="text-align: center;">36</td> <td style="text-align: center;">37</td> </tr> </table>									FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	0	27	42	56	55	55	36	37
FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03																	
0	27	42	56	55	55	36	37																	

CLASSIFICATION:

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS									DATE:	
P-5									FEB 1997	
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE/SUBHEAD				P-1 #		
Other Procurement, Navy				NARM #400500				SUBHEAD: U3QG		
B.A.3 - Aviation Support Equipment				AN/SSQ-36 (BT) SONOBUOY - PEO(A) PROGRAM						
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
QG001	AN/SSQ-36 w/SLC*	A		171		803		1,246		1,239
	DELIVERED TO FLEET		655		3,977		6,272		6,092	
	LOT ACCEPTANCE BUOYS		14		123		201		195	
QG830	PRODUCTION ENGINEERING			14		50		75		74
QG860	ACCEPTANCE TESTING			13		53		81		81
	TOTAL		669	198	4,100	906	6,473	1,402	6,287	1,394
	*SONOBUOY LAUNCH CONTAINER									

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)								A. DATE		
B. APPROPRIATION/BUDGET ACTIVITY				C. P-1 ITEM NOMENCLATURE				SUBHEAD		
Other Procurement, Navy				PEO (A) PROGRAM P-1 #				U3QG		
B.A.3 - Aviation Support Equipment				AN/SSQ-36 (BT) SONOBUOY						
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
FY 96										
AN/SSQ-36 w/SLC	SPARTON, FLA.	C/FFP	NAWC IN	5/96	5/97	669	\$255.26	YES	NO	
FY 97										
AN/SSQ-36 W/SLC	NOT SELECTED	C/FFP	NSWC CRANE	1/97	10/97	4,100	\$200.00	YES	NO	
FY 98										
AN/SSQ-36 w/SLC	NOT SELECTED	C/FFP	NSWC CRANE	12/97	10/98	6,473	\$192.56	YES	NO	
FY 99										
AN/SSQ-36 w/SLC	NOT SELECTED	C/FFP	NSWC CRANE	12/98	10/99	6,287	\$197.13	YES	NO	
D. REMARKS										

UNCLASSIFIED

FY 1998/99 BUDGET PRODUCTION SCHEDULE					P-1 ITEM NOMENCLATURE																	DATE											
					SONOBUOYS (AN/SSQ-36) PEO(A) PROGRAM																	FEB 1997											
ITEM / MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT	BAL. DUE AS OF 1 OCT	FISCAL YEAR 1997													FISCAL YEAR 1998													L A T E R		
					CALENDAR YEAR 1997													CALENDAR YEAR 1998															
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
FY 94																																	
QG 001 AN/SSQ-36B - HERMES		5.1	--	5.1										2.4	2.7																		
QG 001 AN/SSQ-36B - SPARTON		1.3	--	1.3									0.3	0.3	0.3	0.2	0.2																
FY 95																																	
QG 001 AN/SSQ-36B - HERMES		12.0	--	12.0				0.7	0.7	2.5	2.5	2.5	3.1																				
FY 96																																	
QG 001 AN/SSQ-36B - SPARTON		0.7	--	0.7									0.2	0.2	0.1	0.1	0.1																
FY 97																																	
QG 001 AN/SSQ-36B - NOT SELECTED		4.1	--	4.1													0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3					
FY 98																																	
QG 001 AN/SSQ-36B - NOT SELECTED		6.5	--	6.5														A									6.5						
FY 99																																	
QG 001 AN/SSQ-36B - NOT SELECTED		6.3	--	6.3																							6.3						
TOTAL	0	36	0	36	0	0	0	0.7	0.7	2.5	2.5	3	6	3.1	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	13						
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES			RCH'D D +	PROCUREMENT LEAD TIME													REMARKS															
	MINIMUM SUST.	1-8-5	MAXIMUM																														
HERMES CANADA	250	12.0	12.0	7	INITIAL													FY 95 PROC LAT (352)															
SPARTON FLA	250	12.0	12.0**	7														FY 96 PROC LAT (14)															
																		FY 97 PROC LAT (123)															
																		FY 98 PROC LAT (201)															
																		FY 99 PROC LAT (195)															
*SEE REMARKS ON NEXT PAGE					REORDER (Previous Source)													LAT DONE MONTHLY															

DD Form 2445, JUL 87	Previous editions are obsolete	P-1 SHOPPING LIST	ITEM NO. 124	PAGE NO. 5	Page 2 of Pages 2
311/244	4-70				Exhibit P-21 Production Schedule

CLASSIFICATION: UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: Feb 1997			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy B. A. 3 - Aviation Support Equipment					P-1 ITEM NOMENCLATURE P-1 # AN/SSQ-53 (DIFAR) SONOBUOY PEO (A) PROGRAM NARM #402500			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	\$0.0	\$15.7	\$28.4	\$26.4	\$29.9	\$25.3	\$21.1	\$21.8
<p>The AN/SSQ-53 (DIFAR) is a passive directional sonobuoy which provides acoustic target localization information.</p> <p>The AN/SSQ-53E DIFAR Sonobuoy incorporates shallow water performance enhancements over the AN/SSQ-53D. The Engineering Change Proposal (ECP) will be developed in FY97. The ECP incorporates: (1) a Constant Shallow Omni (CSO) hydrophone, (2) Command Function Select (CFS), (3) additional DIFAR depths, and (4) Automatic Gain Control (AGC).</p> <p>The FY97 program provides for the AN/SSQ-53E ECP to be competed among qualified manufacturers.</p> <p>The FY 98 program provides for 44,194 AN/SSQ-53E DIFAR Sonobuoys to be competed among qualified manufacturers.</p> <p>The FY 99 program provides for 39,131 AN/SSQ-53E DIFAR Sonobuoys to be competed among qualified manufacturers.</p> <p>RESERVE FUNDING INCLUDED IN TOTAL (\$000)</p>								

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CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)								A. DATE		
B. APPROPRIATION/BUDGET ACTIVITY				C. P-1 ITEM NOMENCLATURE				SUBHEAD		
Other Procurement, Navy				AN/SSQ-53 (DIFAR) SONOBUOY				U3QC		
B. A. 3 - Aviation Support Equipment				PEO (A) PROGRAM P-1 #						
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
FY 97										
AN/SSQ-53E	NOT SELECTED	C/FFP	NWSC CRANE	3/97	N/A	N/A	N/A	YES	NO	
FY 98										
AN/SSQ-53E	NOT SELECTED	C/FFP	NSWC CRANE	12/97	10/98	44,194	\$570.86	YES	NO	
FY 99										
AN/SSQ-53E	NOT SELECTED	C/FFP	NSWC CRANE	12/98	10/99	39,131	\$598.85	YES	NO	
D. REMARKS										
The FY97 ECP will incorporate those items addressed on the P-40.										

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CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40						DATE: Feb 1997																		
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy B. A. 3 - AVIATION SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE P-1 # AN/SSQ-62 (DICASS) SONOBUOY PEO (A) PROGRAM NARM: # 403200																			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003																
QUANTITY																								
COST (In Millions)	\$4.0	\$31.2	\$24.3	\$25.8	\$29.7	\$30.2	\$32.0	\$31.6																
<p>The AN/SSQ-62 (DICASS) sonobuoy is a directional active sonobuoy that provides target bearing and range information on the submarine with each echo. The AN/SSQ-62E is an ECP to the AN/SSQ-62D incorporating the following changes: (1) Command Function Select (CFS), and (2) all four sonar channels in one sonobuoy.</p> <p>The FY 96 contract was awarded to Sparton for a quantity of 1,384 AN/SSQ-62D's. The FY 96 program includes \$1.6M for an AN/SSQ-62D ECP.</p> <p>The FY 97 program provides for 21,564 AN/SSQ-62D's and AN/SSQ-62E ECP to be competed among qualified manufacturers.</p> <p>The FY 98 program provides for 21,037 AN/SSQ-62E's to be competed among qualified manufacturers. The FY 99 program provides for 22,724 AN/SSQ-62E's to be competed among qualified manufacturers.</p> <p>RESERVE FUNDING INCLUDED IN TOTAL (\$000)</p> <table> <tr> <td>FY 96</td> <td>FY 97</td> <td>FY 98</td> <td>FY 99</td> <td>FY 00</td> <td>FY 01</td> <td>FY 02</td> <td>FY 03</td> </tr> <tr> <td>81</td> <td>937</td> <td>728</td> <td>1,032</td> <td>1,186</td> <td>1,209</td> <td>1,281</td> <td>1,264</td> </tr> </table>									FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	81	937	728	1,032	1,186	1,209	1,281	1,264
FY 96	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03																	
81	937	728	1,032	1,186	1,209	1,281	1,264																	

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CLASSIFICATION:

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WEAPONS SYSTEM COST ANALYSIS								DATE:		
P-5								Feb 1997		
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE/SUBHEAD				P-1 #		
Other Procurement, Navy				PEO (A) PROGRAM				NARM #403200		
B. A. 3 - AVIATION SUPPORT EQUIPMENT				AN/SSQ-62 (DICASS) SONOBUOY				SUBHEAD: U3QF		
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
QF 001	AN/SSQ-62 w/SLC*	A		** 3,499		** 28,243		** 21,592		** 22,937
	DELIVERED TO FLEET		1,320		20,917		20,406		22,042	
	LOT ACCEPTANCE BUOYS		64		647		631		682	
QF 830	PRODUCTION ENGINEERING			261		1,599		1,296		1,376
QF 860	ACCEPTANCE TESTING			279		1,396		1,403		1,490
	TOTAL		1,384	4,039	21,564	31,238	21,037	24,291	22,724	25,803

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)								A. DATE Feb 1997		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy B. A. 3 - AVIATION SUPPORT EQUIPMENT				C. P-1 ITEM NOMENCLATURE AN/SSQ-62 (DICASS) SONOBUOY PEO (A) PROGRAM P-1 #				SUBHEAD U3QF		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
FY 96 AN/SSQ-62D w/SLC*	SPARTON FLA	C/FFP	NAWC IN	4/96	4/97	1,384	\$1,364.30	YES	NO	
FY 97 AN/SSQ-62D w/SLC*	NOT SELECTED	C/FFP	NSWC CRANE	2/97	10/97	21,564	\$948.00	YES	NO	
FY 98 AN/SSQ-62E w/SLC*	NOT SELECTED	C/FFP	NSWC CRANE	12/97	10/98	21,037	\$1,026.38	YES	NO	
FY 99 AN/SSQ-62E w/SLC*	NOT SELECTED	C/FFP	NSWC CRANE	12/98	10/99	22,724	\$1,009.35	YES	NO	
D. REMARKS										

UNCLASSIFIED

FY 1998/99 BUDGET PRODUCTION SCHEDULE					P-1 ITEM NOMENCLATURE																	DATE											
					AN/SSQ-62 (DICASS) SONOBUOY																	Feb 1997											
ITEM / MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT	BAL. DUE AS OF 1 OCT	FISCAL YEAR 1997													FISCAL YEAR 1998													L A T E R		
					CALENDAR YEAR 1997													CALENDAR YEAR 1998															
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
FY 94																																	
QF001 - AN/SSQ-62 - HUGHES **		8.5	--	8.5	0.8				1.7		0.8			1.6			1.6	2.0															
SPARTON		13.7	--	13.7					1.7	1.7	1.7	1.6	1.6	1.6	1.6	2.2																	
FY 95																																	
QF001 - AN/SSQ-62 - SPARTON		22.2	9.9	12.3	1.6	1.6	1.6	3.8	3.7																								
FY 96																																	
QF001 - AN/SSQ-62 - SPARTON		1.4	--	1.4							0.3	0.3	0.2	0.2	0.2	0.2																	
FY 97																																	
QF001 - AN/SSQ-62 - NOT SELECTED		21.6	--	21.6					A								1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8					
FY 98																																	
QF001 - AN/SSQ-62 - NOT SELECTED		21.0	--	21.0															A								21.0						
FY 99																																	
QF001 - AN/SSQ-62 - NOT SELECTED		22.7	--	22.7																							22.7						
TOTAL	0	111.1	9.9	101.2	2.4	1.6	1.6	7.2	5.4	2.5	1.9	3.5	1.8	3.4	4.4	0.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	44						
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P					
MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES			RCH'D	PROCUREMENT LEAD TIME													REMARKS															
	MINIMUM SUST.	1-8-5	MAXIMUM	D +	<div>ADMIN LEAD TIME</div> <div>PRIOR AFTER</div> <div>1 OCT 1 OCT</div> <div>3 9 12</div> <div>REORDER (Previous Source)</div>													MANU- FACTURING		TOTAL		FY 95 PROC LAT (512) FY 96 PROC LAT (64) FY 97 PROC LAT (647) FY 98 PROC LAT (631) FY 99 PROC LAT (682) LAT DONE MONTHLY											
HUGHES, IN	250	2.6	8.0*	10														AFTER		AFTER													
SPARTON, FLA	250	8.0	8.0*	6														1 OCT		1 OCT													
* SEE REMARKS ON NEXT PAGE																																	

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: FEB 1997			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy B. A. 3 - AVIATION SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE P-1 # AN/SSQ-101 ADAR PEO (A) PROGRAM NARM # 403600			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	\$0.0	\$0.0	\$0.0	\$22.6	\$29.4	\$38.3	\$42.5	\$42.9
<p>The AN/SSQ-101 Air Deployable Active Receiver (ADAR) is a commandable, passive A-size sonobuoy with a horizontal planar array that can be deployed at different depths. The ADAR sonobuoy transmits beamformed digital data to all Air ASW platforms and is deployed as the Improved Extended Echo Ranging System's active receiver.</p> <p>The FY 99 program provides for 6,576 AN/SSQ-101's to be competed among qualified manufacturers.</p> <p>The ADAR program will transition from R&D program element 0604261N beginning in FY 99.</p> <p>THERE IS NO RESERVE REQUIREMENT FOR THE SSQ-101.</p>								

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CLASSIFICATION:

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS								DATE:		
P-5								FEB 1997		
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE/SUBHEAD				P-1 #		
Other Procurement, Navy				PEO(A) PROGRAM				NARM # 403600		
B. A. 3 - AVIATION SUPPORT EQUIPMENT				AN/SSQ-101 ADAR				SUBHEAD: TBD		
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
TBD	AN/SSQ-101 w/SLC*	B								19,792
	DELIVERED TO FLEET								6,379	
	LOT ACCEPTANCE BUOYS								197	
TBD	PRODUCTION ENGINEERING									1,617
TBD	ACCEPTANCE TESTING									1,215
									-----	-----
	TOTAL								6,576	22,624
	* SONOBUOY LAUNCH CONTAINER									

DD FORM 2446, JUN 86

P-1 SHOPPING LIST

ITEM NO. 127

PAGE NO. 2

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION:

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)								A. DATE FEB 1997		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy B. A. 3 - AVIATION SUPPORT EQUIPMENT				C. P-1 ITEM NOMENCLATURE AN/SSQ-101 ADAR PEO(A) PROGRAM				SUBHEAD TBD		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
FY 99 AN/SSQ-101	NOT SELECTED	FFP/I	NSWC CRANE	12/98	10/99	6,576	\$3,009.41	NO	NO	
D. REMARKS										

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[illegible]

DD Form 2445, JUL 87	Previous editions are obsolete	P-1 SHOPPING LIST	ITEM NO. 127	PAGE NO. 5	Page 2 of Pages 2
311/244	4-70				Exhibit P-21 Production Schedule

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40						DATE: Feb 1997		
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy 3 - AVIATION SUPPORT EQUIPMENT - SONOBUOYS					P-1 ITEM NOMENCLATURE P-1 # AN/SSQ-110 (EER) SONOBUOY PEO(A) PROGRAM NARM # 403800			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	\$21.4	\$35.2	\$0.0	\$14.9	\$28.5	\$34.6	\$25.5	\$35.5
<p>The AN/SSQ-110 is an air-dropped active source buoy to be used in conjunction with the AN/SSQ-77B and AN/SSQ-101 to perform Extended Echo Ranging (EER) system active search.</p> <p>The FY 96 program is for 23,057 AN/SSQ-110A's. Awards were made to Sparton (3,000) and to Hughes (20,057).*</p> <p>The FY 97 program is for 41,804 AN/SSQ-110A's to be competed among qualified manufacturers.</p> <p>The FY 99 program is for 14,595 AN/SSQ-110A's to be competed among qualified manufacturers.</p> <p>THERE IS NO RESERVE REQUIREMENT FOR THE SSQ-110A.</p>								

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CLASSIFICATION:

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WEAPONS SYSTEM COST ANALYSIS										DATE:	
P-5										Feb 1997	
APPROPRIATION/BUDGET ACTIVITY					P-1 ITEM NOMENCLATURE/SUBHEAD					P-1 #	
Other Procurement, Navy					PEO(A) PROGRAM					NARM # 403800	
3 - AVIATION SUPPORT EQUIPMENT - SONOBUOYS					AN/SSQ-110 (EER) SONOBUOY					SUBHEAD: U3QK	
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS								
			FY 1996		FY 1997		FY 1998		FY 1999		
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	
QK 001	AN/SSQ-110A	A		18,212		31,796					
	DELIVERED TO FLEET		22,481		40,550				14,157		
	LOT ACCEPTANCE BUOYS		576		1,254				438		
QK 830	PRODUCTION ENGINEERING			2,080		1,905				1,263	
QK 860	ACCEPTANCE TESTING			1,122		1,508				1,197	
			-----	-----	-----	-----	-----	-----	-----	-----	
	TOTAL		23,057	21,414	41,804	35,209			14,595	14,850	

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)								A. DATE Feb 1997		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy 3 - AVIATION SUPPORT EQUIPMENT - SONOBUOYS				C. P-1 ITEM NOMENCLATURE AN/SSQ-110 (EER) SONOBUOY PEO(A) PROGRAM P-1 #				SUBHEAD U3QK		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
FY 96										
AN/SSQ-110A	SPARTON, FLA *HUGHES, IN	C/FFP C/FFP	NAWC IN NAWC IN	5/96 5/96	5/97 5/97	3,000 20,057	\$998.26 \$758.68	YES YES	NO NO	
FY 97										
AN/SSQ-110A	NOT SELECTED	C/FFP	NSWC CRANE	2/97	10/97	41,804	\$760.60	YES	NO	
FY 99										
AN/SSQ-110A	NOT SELECTED	C/FFP	NSWC CRANE	12/98	10/99	14,595	\$848.92	YES	NO	
D. REMARKS										
*EFFECTIVE 1 AUG 1996, MAGNAVOX HAS BEEN RENAMED HUGHES DEFENSE COMMUNICATIONS, IN.										

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Exhibit P-21 Production Schedule

FY 1998/99 BUDGET PRODUCTION SCHEDULE													P-1 ITEM NOMENCLATURE												DATE													
													AN/SSQ-110 (EER) SONOBUOY												Feb 1997													
ITEM/MANUFACTURER/ PROCUREMENT YEAR	FISCAL YEAR 1999												FISCAL YEAR 2000												FISCAL YEAR 2001												L A T E R	
	1998			CALENDAR YEAR 1999									CALENDAR YEAR 2000									CALENDAR YEAR 2001																
	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
FY 96																																						
QK 001 - AN/SSQ-110A - HUGHES																																						
FY 97																																						
QK 001 - AN/SSQ-110A - NOT SELECTED																																						
FY 99																																						
QK 001 - AN/SSQ-110A - NOT SELECTED			A										1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2														

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BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: Feb 1997																			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy 3 - AVIATION SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE P-1 # SIGNAL, UNDERWATER SOUND (SUS) PEO(A) PROGRAM NARM # 404500																			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003																
QUANTITY																								
COST (In Millions)	\$0.0	\$1.1	\$0.7	\$1.3	\$0.0	\$1.5	\$0.0	\$1.6																
<p>Signal, Underwater Sound devices are expendable, high energy acoustic sources. The MK 84 is a non-explosive, electro-acoustic device which is launched from aircraft and transmits acoustic tones after water entry. The MK 84 SUS is used for training and exercise signaling to submarines.</p> <p>The FY 97 program provides for 5,933 MK 84's to be competed among qualified manufacturers.</p> <p>The FY 98 program provides for 3,200 MK 84's to be competed among qualified manufacturers.</p> <p>The FY 99 program provides for 6,000 MK 84's to be competed among qualified manufacturers.</p> <p>RESERVE FUNDING INCLUDED IN TOTAL (\$000)</p> <table> <thead> <tr> <th></th> <th>FY 97</th> <th>FY 98</th> <th>FY 99</th> <th>FY 00</th> <th>FY 01</th> <th>FY 02</th> <th>FY 03</th> </tr> </thead> <tbody> <tr> <td></td> <td>256</td> <td>108</td> <td>200</td> <td>0</td> <td>220</td> <td>0</td> <td>244</td> </tr> </tbody> </table>										FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03		256	108	200	0	220	0	244
	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03																	
	256	108	200	0	220	0	244																	

P-1 SHOPPING LIST

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WEAPONS SYSTEM COST ANALYSIS									DATE:	
P-5									Feb 1997	
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE/SUBHEAD					P-1 #	
Other Procurement, Navy				PEO(A) PROGRAM					NARM # 404500	
3 - AVIATION SUPPORT EQUIPMENT				SIGNAL, UNDERWATER SOUND (SUS)					SUBHEAD: U3QH	
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
QH 003	SIGNAL UNDERWATER SOUND MK 84	A				956		540		1,035
	DELIVERED TO FLEET				5,785		3,120		5,850	
	LOT ACCEPTANCE BUOYS				148		80		150	
QH 830	PRODUCTION ENGINEERING					67		61		147
QH 860	ACCEPTANCE TESTING					73		71		161

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE Feb 1997	
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy 3 - AVIATION SUPPORT EQUIPMENT				C. P-1 ITEM NOMENCLATURE SIGNAL, UNDERWATER SOUND (SUS) PEO (A) PROGRAM				SUBHEAD U3QH		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
FY 97										
QH 003 - SUS MK 84	NOT SELECTED	C/FFP	NSWC CRANE	2/97	10/97	5,933	\$161.13	YES	NO	
FY 98										
QH 003 - SUS MK 84	NOT SELECTED	C/FFP	NSWC CRANE	12/97	10/98	3,200	\$168.61	YES	NO	
FY 99										
QH 003 - SUS MK 84	NOT SELECTED	C/FFP	NSWC CRANE	12/98	10/99	6,000	\$172.52	YES	NO	
D. REMARKS										

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FY 1998/99 BUDGET PRODUCTION SCHEDULE

P-1 ITEM NOMENCLATURE

DATE

SIGNAL, UNDERWATER SOUND (SUS)

Feb 1997

[illegible]

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: February 1997			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE WEAPONS RANGE SUPPORT EQUIPMENT 43SC			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (IN MILLIONS)	47.2	27.1	4.9	15.7	31.7	35.5	35.1	36.1
<p>This budget line item provides the resources to implement the Navy Fleet Training Range (FTR) Instrumentation Program Plan. These FTRs provide the primary means of fleet combat readiness training. The plan addresses the following major procurement areas: Electronic Warfare (EW) simulators, Weapons Impact Scoring Set (WISS) Replacement, Systems Replacement and Modernization (SRAM), Tactical Aircrew Combat Training Systems (TACTS), SOCAL Communications Upgrade and generic systems such as range computer systems, underwater training range systems and range tracking, simulation, and surveillance systems. The integral parts of these major range programs include but are not limited to the following: voice communications, weapons scoring systems, EW emitters/jammers, display consoles, radars, tracking subsystems, control/computation subsystems, display/debriefing subsystems, processors, HF/VHF/UHF receivers, transmitters/transceivers, multiplexers, intercom circuits, encoding devices, frequency interface control systems, power equipment, sonobouy tracking systems, bottom mounted underwater hydrophone systems, phase shift keying processors, and other specialized equipment.</p> <p>Justification: Operational forces of the Navy's air, surface, and subsurface units are being equipped with the latest complex and sophisticated weapon systems to achieve and maintain high standards of fleet readiness. The FTRs must be furnished with training equipment capable of simulating, tracking, displaying, and debriefing the latest combat environments (e.g. electronic warfare). This equipment provides the Navy with the capability to: conduct safe fleet training exercises; achieve a high state of readiness; objectively evaluate training effectiveness as well as the strategy and tactics employed; evaluate the performance of equipment; and, to measure reliability and accuracy of operational weapon systems.</p> <p><u>WEAPONS IMPACT SCORING SET (WISS) REPLACEMENT:</u></p> <p>The WISS is an electro-optical scoring system which scores inert and live ordnance weapons delivery at Fleet training ranges. This WISS Replacement Program will provide a complete change-out of existing outdated/obsolete WISS at the FTRs with an improved and logistically supportable system. FY 1996 funding procured 15 WISS (V4) systems.</p>								

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BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: February 1997			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE WEAPONS RANGE SUPPORT EQUIPMENT 43SC			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (IN MILLIONS)	47.2	27.1	4.9	15.7	31.7	35.5	35.1	36.1
<p><u>SYSTEMS REPLACEMENT AND MODERNIZATION (SRAM):</u></p> <p>The SRAM program provides for the procurement of numerous minor equipments/instrumentation needed at all Navy training ranges. SRAM procurements replace and modernize economically unmaintainable systems and equipment in order to increase range efficiency. Generally, the receiving activity will accomplish installation of these minor equipments; whereas, the more complex equipments may require installation support from other agencies. Funding for installation of minor equipment is required in all years at all ranges.</p> <p><u>TACTIAL AIRCREW COMBAT TRAINING SYSTEM (TACTS):</u></p> <p>The TACTS was developed in the early 1970's in response to the large Aircrew losses in Vietnam. TACTS tracks aircraft and monitors weapon systems during training missions. Weapons simulations are run by the TACTS in response to aircrew actions. Results are displayed in real-time and recorded for post mission debrief. The original system was installed at Yuma, AZ and a follow-on system was installed at Oceana, VA. Navy Decision Coordinating Paper (NDCP) W0431-AA established a requirement to continue development of new training techniques and capabilities through TACTS upgrades. The USAF has adopted the TACTS, renamed the Air Combat Maneuvering Instrumentation (ACMI), and more recently the Air Combat Training System (ACTS), as their standard aircrew training system. The latest generation 36 A/C system achieved an initial operating capability at Fallon NV in 1985. Other 36 A/C systems have been installed at Cherry Point, NC and Beaufort, SC. The Yuma and Oceana systems have also been upgraded to the 36 A/C configuration.</p> <p>The FY 1996 program upgraded the Yuma TACTS. This will improve TACTS tracking of aircraft operating at low altitudes around the existing target complex. Also, FY 1996 funding upgraded TACTS Tracking Instrumentation for Cherry Point to provide coverage of the Camp Lejeune target areas. The FY 1997 program will replace the Control and Computational Subsystems (CCSs) at Fallon, Cherry Point, Beaufort, and Yuma TACTS. The older computers currently used in the CCSs at these ranges are expensive to maintain and lack the processing capacity required to fully support recent and planned software enhancements. There is no program planned in FY 1998 and FY 1999.</p>								

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BUDGET ITEM JUSTIFICATION SHEET						DATE:		
P-40						February 1997		
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE WEAPONS RANGE SUPPORT EQUIPMENT 43SC			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (IN MILLIONS)	47.2	27.1	4.9	15.7	31.7	35.5	35.1	36.1
<p><u>SHALLOW WATER RANGE (SW RANGE):</u> Existing underwater ranges are situated in deep water and cannot provide training in ASW tactics employed in shallow coastal waters. A Mission Needs Statement (MNS) for Shallow Water training instrumentation has been endorsed by both Atlantic and Pacific fleets and signed by N8: Fixed instrumentation is required to preclude the recurring cost of periodic retrieval and maintenance of mobile systems. FY 1997 funds the LANTFLT requirement for the procurement of the initial increment of a 125 square NM shallow water range and range control equipment at Onslow Bay, NC.</p> <p><u>COMMUNICATIONS UPGRADE (TWENTYNINE PALMS):</u> Certain training sites within the Twentynine Palms' operating area do not have communications with the Twentynine Palms BEARMAT control facility. FY 1997 funding will procure eight solar powered communications suites and a backbone microwave link back to BEARMAT for continuous communications with aircraft and ground personnel operating throughout the Twentynine Palms operating area. Installation support for FY97 is for site preparation at Twenty-Nine Palms.</p> <p><u>JOINT TACTICAL COMBAT TRAINING SYSTEM (JTCTS):</u> The Joint Tactical Combat Training System (JTCTS) will develop and procure fixed, transportable, and mobile range instrumentation equipment for the USN and USAF for both shore-based (aircrew training) and deployable (ship/sub/aircrew training) applications. JTCTS instrumentation will transmit exercise scenarios; simulate/stimulate all exercise participants sensors/weapons with the exercise scenario; track all exercise participants and events, e.g., weapons engagements; and, provide accurate, realistic, and timely exercise feedback. JTCTS will build on technology developed for existing tactical training range systems including the Tactical Aircrew Combat Training Systems, Mobile Sea Range, Large Area Tracking Range, and the capabilities developed for the in-port Battle Force Tactical Trainer program. JTCTS will incorporate the Defense Modeling and Simulation Office sponsored Distributed Interactive Simulation protocol data unit and the High Level Architecture for interoperability with Navy and other service live, virtual (simulators), and constructive (war games) simulations. FY-99 funding will procure (1) low rate initial production for establishing initial operational capability for the Littoral Warfare Training Complex (LWTC).</p>								

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: February 1997			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE WEAPONS RANGE SUPPORT EQUIPMENT 43SC			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (IN MILLIONS)	47.2	27.1	4.9	15.7	31.7	35.5	35.1	36.1
<p><u>SOCAL COMM UPGRADE:</u></p> <p>The existing data links at the remote training sites on San Clemente Island (SCI) and the Range Operations Center (ROC) at North Island are inadequate to handle all of the data from new instrumentation systems. Planned training range instrumentation cannot be utilized until additional communication capability is provided. FY 1996 funding added data links between the main microwave site on San Clemente and various remote equipment sites. The expanded capability is required to support OTH-T communications, Large Area Tracking Range (LATR), EW range expansion, and Joint Tactical Combat Training System (JTCTS). It will provide Mt. Thirst to REWS connectivity, North Island connectivity, RF systems upgrade, a LAMPS III Repeater, expanded digital data links between North Island and SCI, an HF Upgrade, and a VHF/UHF Upgrade.</p> <p><u>LITTORAL WARFARE TRAINING COMPLEX (LWTC):</u></p> <p>Existing training facilities in the eastern U.S. area are widely diverse and are not presently interoperable. A Mission Needs Statement (MNS) for an LWTC has been endorsed by LANTFLT Navy and Marine Commands that will result in an ability to provide required training to individuals through multi-joint force units using existing and newly acquired instrumentation. Installation support is required in FY 1997 to install consoles, workstations, communication (UHF/VHF/Intercom) at Camp Lejeune, NC. There is no program planned in FY 1998 and FY 1999.</p> <p><u>TELEMETRY EQUIPMENT:</u></p> <p>The Telemetry Equipment program will upgrade and modernize equipment, inclusive of related target control systems/equipment, at Fleet Telemetry (TM) stations and the Pacific Missile Range Facility (PMRF). These stations are located in Greece, Puerto Rico, Virginia and Hawaii. Present telemetry stations are based on telemetry requirements established in the early 1970s. Since then, missiles have advanced in sophistication and complexity</p>								

BUDGET ITEM JUSTIFICATION SHEET					DATE: February 1997			
P-40								
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE WEAPONS RANGE SUPPORT EQUIPMENT 43SC			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (IN MILLIONS)	47.2	27.1	4.9	15.7	31.7	35.5	35.1	36.1
<p>including a move from analog to digital technology. Prior year funding has provided modest on-going improvements and modernization programs to replace least reliable equipments and meet the most urgent telemetry requirements for new weapon systems. The only exception being the Puerto Rico Station. Consequently, the stations have become increasingly difficult and expensive to maintain and are not suited to handling the new digital TM formats required by new emerging weapon systems.</p> <p>FY 1997 funding will continue to upgrade the tracking, processing, and display elements of PATAS and upgrade the AFWTF TM station. There is no program planned in FY 1998 and FY 1999.</p>								

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WEAPONS SYSTEM COST ANALYSIS									DATE:	
P-5									February 1997	
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE/SUBHEAD						
Other Procurement, Navy				43SC						
BA 3 - AVIATION SUPPORT EQUIPMENT				WEAPONS RANGE SUPPORT EQUIPMENT						
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
SC002	AIRCREW EW TRAINING RANGES	N/A		[3,188]						
	Yuma									
	Threat Emitters		5	3,188						
	Comm System Interface									
SC003	WISS REPLACEMENT	N/A	15	8,073						
SC004	SYSTEMS REPLACEMENT AND MODERNIZATION (SRAM)	N/A	N/A	5,426	N/A	5,574	N/A	2,061	N/A	2,506
TOTAL										

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WEAPONS SYSTEM COST ANALYSIS P-5									DATE: February 1997	
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT				P-1 ITEM NOMENCLATURE/SUBHEAD 43SC WEAPONS RANGE SUPPORT EQUIPMENT						
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
SC007	TACTICAL AIRCREW COMBAT TRAINING SYSTEM (TACTS)	N/A		[2,025]						
	Fallon/Nellis Microwave Link									
	Yuma Low Altitude TACTS Tracking		1	586						
	Cherry Point Upgrade		1	1,439						
	TACTS Control & Computational Subsystem				4	1,250				
SC012	SW RANGE (LANT)				1	12,560				
SC018	COMM UPGRADE (TWENTYNINE PALMS)	N/A	1		N/A	787				
SC020	JTCTS	N/A							1	9,270
SC028	PACIFIC MISSILE RANGE FACILITY UPGRADE (PMRF)	N/A	1	9,462						
SC037	SOCAL COMM UPGRADE	N/A	N/A	5,899						
TOTAL										

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WEAPONS SYSTEM COST ANALYSIS P-5									DATE: February 1997	
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT				P-1 ITEM NOMENCLATURE/SUBHEAD 43SC WEAPONS RANGE SUPPORT EQUIPMENT						
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
SC040	LITTORAL WARFARE TRAINING COMPLEX MAEWR ROCC Low Alt Tracking MCB Camp Lejeune Comm Suite			[719]						
SC601	TELEMETRY		N/A	1,203	N/A	1,000				
SC831	Production Engineering, Other Ranges	N/A	N/A	6,574	N/A	3,108	N/A	1,535		2,338
SC860	Acceptance Test & Evaluation	N/A	N/A	1,082	N/A	1,047	N/A	155		80
SC971	ILS, Other Ranges	N/A	N/A	2,063	N/A	967	N/A	810		1,020
SC900	Installation of Equip-Non FMP	N/A	N/A	1,473	N/A	800	N/A	297		459
TOTAL				47,187		27,093		4,858		15,673

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE February 1997	
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy AVIATION SUPPORT EQUIPMENT				C. P-1 ITEM NOMENCLATURE WEAPONS RANGE SUPPORT EQUIPMENT				SUBHEAD 43SC		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
<u>SC002 AIRCREW EW</u> <u>YUMA:</u> Threat Emitters 1996	CTA RIDGECREST, CA	CPAF	NAWC-WD CL, CA	03/96	09/97	5	*3,188	YES	NO	N/A
D. REMARKS										
* Unit cost varies with Threat Configuration: Total cost shown.										

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)								A. DATE February 1997		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy AVIATION SUPPORT EQUIPMENT				C. P-1 ITEM NOMENCLATURE WEAPONS RANGE SUPPORT EQUIPMENT				SUBHEAD 43SC		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
<u>SC003 WISS REPL</u>										
1996	NWAD, CORONA, CA	PX	NAVAIR	02/96	03/97	15	**8,073	YES	NO	N/A
<u>SC004 SYS REPL & MOD</u>										
1996	VARIOUS	VARIOUS	FED IND SUP CTR	*	08/96	N/A	5,426	YES	NO	N/A
1997	VARIOUS	VARIOUS	FED IND SUP CTR	*	08/97	N/A	5,574	YES	NO	N/A
1998	VARIOUS	VARIOUS	FED IND SUP CTR	*	08/98	N/A	2,061	YES	NO	N/A
1999	VARIOUS	VARIOUS	FED IND SUP CTR	*	08/99	N/A	2,506	YES	NO	N/A
D. REMARKS										
<p>*SRAM consists of approximately 70 projects each FY with award dates starting when funds are released and continuing until 31 MARCH of current FY.</p> <p>**Total cost is shown. Unit cost will vary by site, due to unique turnkey installation requirements and range unique configurations.</p>										

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE February 1997	
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy AVIATION SUPPORT EQUIPMENT				C. P-1 ITEM NOMENCLATURE WEAPONS RANGE SUPPORT EQUIPMENT				SUBHEAD 43SC		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
<u>SC007 TACTS</u>										
YUMA LOW ALT TACTS 1996	ADTI SAN DIEGO, CA	C/FFP	NAWC-AD PX, MD	02/96	11/96	1	586	YES	NO	N/A
CHERRY PT UPGRADE 1996	ADTI SAN DIEGO, CA	C/FFP	NAWC-AD PX, MD	03/96	10/96	1	1,439	YES	NO	N/A
TACTS CCS 1997	CTA RIDGECREST, CA	CPAF	NAWC-WD CL, CA	01/97	10/97	4	313	09/96	N/A	N/A
<u>SC012 SW RANGE</u> 1997	TBD	FPIF	NAVAIR	05/97	07/99	1	12,560	YES	NO	N/A
<u>SC018 COMM UPGRADE</u> <u>TWENTY-NINE PALMS</u> 1997	NWAD, CORONA, CA	PX	NAVAIR	12/96	12/98	N/A	787	YES	NO	N/A
<u>SC020 JTCTS</u> 1999	RAYTHEON PORTSMOUTH, RI	FP	NAVAIR	01/99	06/00	1	9,270	10/98	NO	NO
<u>SC028 PMRF UPGRADE</u> 1996	VARIOUS	PX	NAVAIR	01/97	07/97	1	9,462	YES	NO	N/A
D. REMARKS										

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CLASSIFICATION:

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE February 1997	
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy AVIATION SUPPORT EQUIPMENT				C. P-1 ITEM NOMENCLATURE WEAPONS RANGE SUPPORT EQUIPMENT				SUBHEAD 43SC		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
<u>SC037 SOCIAL COMM UPGRADE</u> 1996	VARIOUS	PX	NAVAIR	02/97	02/98	N/A	5,899	YES	NO	N/A
<u>SC040 LITTORAL WARFARE TRAINING COMPLEX (LWTC)</u>										
COMM SUITE 1996	NAWC-AD PX, MD	C/FFP/PO	NAVAIR	07/96	09/96	1	719	YES	NO	N/A
<u>SC601 TELEMETRY</u>										
1996	VARIOUS	C/FFP/PO	NWAD, CA	02/96	08/97	N/A	1,203	YES	NO	N/A
1997	VARIOUS	C/FFP/PO	NWAD, CA	02/97	06/98	N/A	1,000	YES	NO	N/A
D. REMARKS										

CLASSIFICATION:

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MODIFICATION INSTALLATION SUMMARY (EXHIBIT P-3N) (TOA, Dollars in Millions)							DATE February 1997		
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE 43SC WEAPONS RANGE SUPPORT EQUIPMENT				
System/Modification	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	TOTAL
SRAM	0.6	0.6	0.3	0.5	0.6	0.7	0.7	0.7	4.7
WISS	0.2	-	-	-	-	-	-	-	0.2
LOW LEVEL (CH PT)	0.2	-	-	-	-	-	-	-	0.2
FALLON/NELLIS LINK	0.2	-	-	-	-	-	-	-	0.2
CH PT UPGRADE	0.1	0.1	-	-	-	-	-	-	0.2
COMM UP/29 PALMS	-	0.1	-	-	-	-	-	-	0.1
YUMA , LOW	0.2	-	-	-	-	-	-	-	0.2
IRDS	-	-	-	-	0.1	0.1	-	-	0.2
SWR	-	-	-	-	0.3	0.5	0.4	0.4	1.6
* NUMBERS ARE ROUNDED.									
1/-Actual labor costs for installing equipment are budgeted on a turnkey basis with equipment cost. Budget installation amounts shown reflect funding required for site preparation and advanced planning only . Based on this, no P-3A exhibits were included in this submission for these items. 2/-No P-3A exhibit submitted for FY 2000 and beyond-new starts.									
	*				*				
TOTAL	1.5	0.8	0.3	0.5	1.0	1.3	1.1	1.1	7.6

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P3A **INDIVIDUAL MODIFICATION**MODIFICATION TITLE: Cherry Point UpgradeMODELS OF SYSTEM AFFECTED: N/A

DESCRIPTION/JUSTIFICATION:

The future Littoral Warfare Training Complex (LWTC) will link existing independent training areas, facilities, and instrumentation assets to form an expanded training complex to support NAVAL/JOINT Force Training requirements. Existing training assets proposed to be linked with LWTC include: VACAPES operating areas, Navy Dare County Mid-Atlantic EW Range, Cherry Point TACTS, MCOLF Atlantic, MCALF Bogue, Camp Lejeune, Camp Geiger, Camp Davis, and MCAS New River.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: (In Production) N/A

	FY 1996 & Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
FINANCIAL PLAN (IN MILLIONS)																					
<u>RDT&E</u>																				0	0.0
<u>PROCUREMENT</u>																					
INSTALLATION KITS	1	1.4																	1	1.4	
INSTALLATION KITS NONRECURRING																			0	0.0	
INSTALLATION KITS (UNIT COSTS)																					
EQUIPMENT																			0	0.0	
EQUIPMENT NONRECURRING																			0	0.0	
ENGINEERING CHANGE ORDERS																			0	0.0	
DATA																			0	0.0	
TRAINING EQUIPMENT																			0	0.0	
SUPPORT EQUIPMENT																			0	0.0	
OTHER																			0	0.0	
INTERIM CONTRACTOR SUPPORT																			0	0.0	
INSTALLATION OF HARDWARE																					
FY 1996 EQUIPMENT & PRIOR	(1 KIT)	0.1		0.1															0	0.2	
FY 1997 EQUIPMENT																			0	0.0	
FY 1998 EQUIPMENT																			0	0.0	
FY 1999 EQUIPMENT																			0	0.0	
FY 2000 EQUIPMENT																			0	0.0	
FY 2001 EQUIPMENT																			0	0.0	
FY 2002 EQUIPMENT																			0	0.0	
FY 2003 EQUIPMENT																			0	0.0	
TO COMPLETE																			0	0.0	
TOTAL INSTALLATION COST	0	0.1	0	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.2	
TOTAL PROCUREMENT COST	1	1.5	0	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.6	
TOTAL COST	1	1.5	0	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.6	
METHOD OF IMPLEMENTATION:	Contract/Field Contract Team				ADMINISTRATIVE LEADTIME: 5 MOS				PRODUCTION LEADTIME 7 MOS												
CONTRACT DATE:	FY 1996:		03/96		FY 1997:		N/A		FY 1998:		N/A										
PRODUCTION DELIVER DATE:	FY 1996:		10/96		FY 1997:		N/A		FY 1998:		N/A										
THE TOTAL PROGRAM QUANTITY REFLECTS THE INVENTORY OBJECTIVE FOR THIS ITEM.																				P-3A	

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODIFICATION TITLE: Cherry Point Upgrade

INSTALLATION SCHEDULE:

INPUT ==>		FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC				TOTAL
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4					
FY 1996 & Prior		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
FY 1997		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1				
FY 1998		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
FY 1999		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
FY 2000		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
FY 2001		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
FY 2002		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
FY 2003		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
TO COMPLETE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
TOTAL INPUT																																			1
OUTPUT ==>		FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC				TOTAL
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4					
FY 1996 & Prior		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
FY 1997		0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1				
FY 1998		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
FY 1999		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
FY 2000		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
FY 2001		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
FY 2002		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
FY 2003		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
TO COMPLETE		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
TOTAL OUTPUT																																			1

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CLASSIFICATION: **UNCLASSIFIED**

REQUIREMENTS STUDY - NOT-INSTALLED NONCONSUMABLES P-23B								DATE: February 1997	
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT				P-1 ITEM NOMENCLATURE 43SC WEAPONS RANGE SUPPORT EQUIPMENT 43SC					
ITEM/PROJECT UNIT	TOTAL IO / REQUIREMENT	QUANTITY ON HAND & NOT IN USE	QUANTITY IN USE	QUANTITY DUE IN WITH FY 96 & PRIOR FUNDS	QUANTITY DUE IN WITH FY 97 PROGRAM FUNDS	PLANNED BUDGET YEAR PROCUREMENT FY 98	PLANNED BUDGET YEAR PROCUREMENT FY 99	BALANCE	PHASING RATIONALE
1. SC001 REWS EWRM SC002 AIRCREW EW 2. THREAT EMITTER 3. MACCS 4. AVENGER 5. SC003 WISS 6. SC007 FALLON/NELLIS 7. SC007 YUMA LOW ALT 8. SC007 CHERRY PT UPRD 9. SC007 TACTS CCS 10. SC012 SW RANGE	2 146 1 6 24 1 1 1 4 4	0 0 0 0 0 0 0 0 0 0	*1 30 0 0 0 0 0 0 0 0	0 24 1 4 24 1 1 0 0 *1	0 0 0 0 0 0 0 0 4 1	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	1 92 0 2 0 0 0 0 2	FISC CONSTRAINTS FISC CONSTRAINTS FISC CONSTRAINTS
ITEM #1 <u>SC001 RANGE EW SIM</u>	ITEM #2 <u>SC002 AIRCREW EW</u> <u>THREAT EMITTERS</u>		ITEM #3 <u>SC002 AIRCREW EW</u> <u>MACCS:</u>		ITEM #4 <u>SC002 AVENGER</u>			ITEM #5 <u>SC003 WISS</u>	
AFWTF 1 SOCAL* 1 TOTAL 2 * 1 R&D FUNDED UNIT	YUMA 21 FALLON 68 CHERRY PT 49 PINECASTLE 8 TOTAL 146	CHERRY PT. 1 TOTAL 1		MCAS YUMA 6 TOTAL 6			LANT 10 PAC 14 TOTAL 24		
ITEM #6 <u>SC007 FALLON/NELLIS:</u>	ITEM #7 <u>SC007 YUMA LOW ALT</u>		ITEM #8 <u>SC007 CHERRY PT</u> <u>UPGRADE</u>		ITEM #9 <u>SC007 TACTS CCS:</u>			ITEM #10 <u>SC012 SW RANGE:</u>	
NAS FALLON 1 TOTAL 1	MCAS YUMA 1 TOTAL 1	MCAS CH PT 1 TOTAL 1		NAS FALLON 1 MCAS CH PT 1 MCAS BEAUF 1 MCAS YUMA 1 TOTAL 4			CAMP LEJ 1 PAC 1 PMRF* 1 SOCAL 1 WESTPAC 1 TOTAL 4		

*PMRF funded with RDT&E.

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CLASSIFICATION:

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REQUIREMENTS STUDY - NOT-INSTALLED NONCONSUMABLES P-23B								DATE:	
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT								February 1997	
P-1 ITEM NOMENCLATURE 43SC WEAPONS RANGE SUPPORT EQUIPMENT									
ITEM/PROJECT UNIT	TOTAL IO / REQUIREMENT	QUANTITY ON HAND & NOT IN USE	QUANTITY IN USE	QUANTITY DUE IN WITH FY 96 & PRIOR FUNDS	QUANTITY DUE IN WITH FY 97 PROGRAM FUNDS	PLANNED BUDGET YEAR PROCUREMENT FY 98	PLANNED BUDGET YEAR PROCUREMENT FY 99	BALANCE	PHASING RATIONALE
1. SC020 JTCTS	12	0	0	0	0	0	1	11	FISC CONSTRAINTS
2. SC027 CCN-II	1	0	0	1	0	0	0	0	
3. SC028 PMRF UPGRADE	2	0	0	2	0	0	0	0	
4. SC040 LWTC	4	0	0	3	0	0	0	1	FISC CONSTRAINTS
COST CODE:									
ITEM #1 SC020 JTCTS	ITEM #2 SC027 CCN-II		ITEM #3 SC028 PMRF UPGRADE		ITEM #4 SC040 LWTC:				
NAWCAD PAX 1	PMRF 1		PMRF 2		MCAS CH PT 1				
LWTC, CH PT 1	TOTAL 1		TOTAL		MCB LEJEUNE 3				
NAS FALLON 1					TOTAL 4				
CINCLANTFLT 2									
CINCPACFLT 2									
AFWTF 1									
SCORE 1									
YUMA 1									
BEAUFORT 1									
PACMISRANF 1									
TOTAL 12									

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BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: February 1997			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA3 - Aviation Support Equipment					P-1 ITEM NOMENCLATURE Expeditionary Airfields			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	5.8	1.5	1.3	5.1	3.1	8.0	8.2	8.3
EXPEDITIONARY AIRFIELDS (EAF) This program provides for procurement of aircraft recovery equipment, landing mat and accessories, airfield lighting, and Visual Landing Aids for Naval Aviation Expeditionary Airfields (EAF). This core funding level directly supports the procurement and fielding of operational expeditionary airfield systems in the three active duty Marine Aircraft Wings and one Reserve Marine Aircraft Wing, testing and training installations, and provides assets for use by the Marine Expeditionary Forces during contingency operations. A total of forty-four (44) mobile arresting gear systems, as well as associated equipment, accessories, and service changes are procured and fielded with these funds. Equipment procurements are based on inventory shortfalls, product improvements to fill or correct known deficiencies, modernizing EAF equipment to improve maintainability, reliability, and safety-of-flight, and to keep pace with new aircraft and aircraft systems. Additionally, equipment procurements will facilitate forward deployment of EAF systems aboard Rapid Deployment Force/Maritime Prepositioning Squadron (RDF/MPS) ships which is a new operational requirement under the Marine Corps Master Plan, the Enhanced Maritime Prepositioning Squadron (EMPS) requirement, and the EAF 2000 concept. The FY 1996 program provides for service change kit procurements to maintain and refurbish aging M-21 Arresting Gear (until the M-31 next generation Marine Corps mobile arresting gear is fully on line), F-70 Tool Kit service changes, Flatrack service changes to accommodate positioning EAF assets on MPS, and Production Engineering (PE) and Integrated Logistics Support (ILS) for EAF procurement products. The FY 1997 budget request provides for service change kit procurements for F-70 tool kits to accommodate pre-positioning EAF assets on MPS, refurbish M-21 arresting gear, PE, and ILS for EAF procurement products. The FY 1998 budget request provides for service change kit procurements for Minimum Operating Strip Lighting Systems (MOSLS), PE, and ILS for EAF procurement products. The FY 1999 budget request provides for service change kit procurements for Minimum Operating Strip Lighting Systems (MOSLS), flatrack service changes to accommodate positioning EAF assets on MPS, PE, and ILS for EAF procurement products.								

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WEAPONS SYSTEM COST ANALYSIS									DATE:		
P-5									February 1997		
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE/SUBHEAD							
Other Procurement, Navy				EXPEDITIONARY AIRFIELD / 43SE							
BA3 - Aviation Support Equipment											
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS								
			FY 1996		FY 1997		FY 1998		FY 1999		
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	
SE 010	Service Change Kits	A		5,161		1,193		1,210		5,042	
	F72 AM-2 Mat			(1,603)		0		0		0	
	F70 Tool Kit			(1,048)		(475)		0		0	
	Flatrack			(1,728)		0		0		(1,292)	
	M21			(782)		(718)		0		0	
	MOSLS			0		0		(1,210)		(3,750)	
SE 800	Integrated Logistic Supp			283		201		22		55	
SE 830	Production Engineering			309		134		20		52	
TOTAL				5,753		1,528		1,252		5,149	

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BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: February 1997			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-3 - Aviation Support Equipment					P-1 ITEM NOMENCLATURE A/C Rearming Equipment			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST								
(In Millions)	\$7.5	\$9.1	\$10.4	\$13.2	\$13.0	\$13.2	\$13.5	\$13.8
This program funds the procurement of common Armament Support Equipment (ASE) and Weapons Support Equipment (WSE) under the procurement and inventory control of the Naval Inventory Control Point (NAVICP) and the Naval Air Systems Command.								

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WEAPONS SYSTEM COST ANALYSIS										Date: February 1997	
P-5											
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE/SUBHEAD							
Other Procurement, Navy											
BA-3 - Aviation Support Equipment				A/C Rearming Equipment 43SH							
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS								
			FY 1996		FY 1997		FY 1998		FY 1999		
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	
SH004	Shipboard/Shorebased WSE										
	LALS II	A	29	5,695	35	7,447	47	8,092	55	10,097	
	HLU-196D/E BOMB HOIST	A					2	162			
	MHU-202/M MUNITIONS TRAILER	A							91	862	
	Subtotal			5,695		7,447		8,254		10,959	
SH830	Production Engineering			1,534		1,499		1,872		2,012	
SH860	Accept Test and Evaluation			221		162		230		220	

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)								A. DATE February 1997		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-3 - Aviation Support Equipment				C. P-1 ITEM NOMENCLATURE A/C Rearming Equipment				SUBHEAD 43SH		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
SH004										
LALS II	WESTERN DESIGN CORP	FP/OPTION	NAWC PT MUGU	12/23/95	10/1/96	29	196.4*	YES	NO	
FY 1996	WESTERN DESIGN CORP	FP/OPTION	NAWC PT MUGU	12/1/96	9/1/97	35	212.8*	YES	NO	
FY 1997	TBD	C/FFP	NAWC PT MUGU	12/1/97	10/1/98	47	172.2	YES	NO	
FY 1998	TBD	FP/OPTION	NAWC PT MUGU	12/1/98	10/1/99	55	183.6*	YES	NO	
FY 1999										
HLU-196D/E BOMB HOIST										
FY 1998	TBD	TBD	NAWCAD LKE	12/1/97	12/1/98	2	81.0	NO 3/1/97	NO	
MHU-202/M MUNITIONS TRAILER										
FY 1999	VERVAL ENTERPRISES	TBD	NAWCAD LKE	12/1/99	12/1/00	91	9.5	YES	NO	

D. REMARKS

* FY 96 LALS II procurement included an EPA charge; FY 97 includes procurement of data rights for drawing and tooling; FY 99 included procurement of ancilliary equipment; (33) LALS II replenishers at a unit cost of \$29,501. The aforementioned requirements increased the average unit cost .

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REQUIREMENTS STUDY - NOT-INSTALLED NONCONSUMABLES P-23B								DATE February 1997	
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-3 - Aviation Support Equipment				P-1 ITEM NOMENCLATURE A/C Rearming Equipment					
ITEM/PROJECT UNIT	TOTAL IO / REQUIREMENT	QUANTITY ON HAND & NOT IN USE	QUANTITY IN USE	QUANTITY DUE IN WITH FY 94 & PRIOR FUNDS	QUANTITY DUE IN WITH FY 95 PROGRAM FUNDS	PLANNED BUDGET YEAR PROCUREMENT FY 96	PLANNED BUDGET YEAR PROCUREMENT FY 97	BALANCE	PHASING RATIONALE
1. LALS II	270	0	0	34	35	47	55	99	AFFORDABILITY
2. HLU-196D/E BOMB HOIST	700	0	0	0	0	2	0	698	AFFORDABILITY
3. MHU-202/M MUNITIONS TRAILER	704	0	0	408	0	0	91	205	AFFORDABILITY
MEMO ENTRIES									
COST CODE: ITEM #1		ITEM #2		ITEM #3					
CV/CVN	108	CV/CVN	360	NAVY SHORE	704				
MARINES	57	NAVY SHORE	340						
MPD/RDF	33								
NAVY SHORE	72								
TOTAL	270	TOTAL	700	TOTAL	704				

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BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: February 1997			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 AVIATION SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE)			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	\$16.5	\$28.2	\$29.6	\$39.3	\$43.3	\$38.0	\$36.0	\$39.5
<p>This program provides for procurement of major aircraft launch, recovery, and Visual Landing Aids (VLA) equipment as well as ancillary items required for installation in aircraft carriers, air capable combatant vessels, amphibious assault ships, and shore stations. Most procurements respond to: (1) urgent fleet problems associated with the safe and reliable operation of existing equipment, (2) expanding responsibilities in support of helicopter operations on Air Capable Ships (ACS) and Vertical Launch/Take-Off and Landing (V/STOL) aircraft, and (3) the demand for increased launch and recovery equipment reliability, maintainability, capability, and margin of safety.</p> <p>Shipboard installed items procured under this program are for operational fleet carriers, air capable combatant vessels, and amphibious assault ships. Major equipment and service changes procured in support of the Fleet Modernization Program (FMP) are generally installed by shipyard personnel during routine or restricted availabilities and regular overhauls. Non-FMP installations include minor equipments and service changes that are installed by Alteration Installation Teams (AIT) or Voyage Repair Teams (VRT) from the Naval Aviation Depots (NADEPs) under the direction of Fleet Type Commanders and the Naval Air Warfare Center, Aircraft Division, Lakehurst, NJ. Type Commanders determine shorebased installed item requirements.</p> <p>The FY 1996 program consists of the following service change procurements: catapult-CV(N), arresting gear-CV(N), VLA-CV(N), catapult and fire-fighting support equipment-CV(N), Integrated Launch and Recovery Television System (ILARTS)-CV(N), and VLA-ACS. Also, funding for PE, ILS, ATE, and FMP/NFMP installations for FY 1996 and prior years is included.</p> <p>The FY1997 program consists of the following service change procurements: catapult-CV(N) (one piece Flush Deck Nose Gear Launch and Low Loss Launch Valve), and Helicopter Landing Systems (HLS)-ACS. Also, funding for P-25 Fire Trucks, PE, ILS, ATE, and FMP/NFMP installations for FY 1997 and prior years is included.</p> <p>The FY 1998 budget request consists of the following service change procurements: catapult-CV(N) (improved C-13-2 MOD piston), arresting gear-CV(N), VLA-ACS, and catapult and fire-fighting support equipment-CV(N). Also funding for Long Range Line-up System(LRLS), P-25 Fire Trucks, PE, ILS, ATE, and FMP/NFMP installations for FY 1998 and prior years is included.</p> <p>The FY 1999 budget request consists of the following service change procurements: catapult and fire-fighting-CV(N), arresting gear-CV(N), VLA-CV(N), and HLS-ACS. Also, funding forLRLS, Integrated Shipboard Information System/Aviation Data Management and Control System (ISIS/AD-MACS), Improved Fresnel Lens Optical Landing System (IFLOLS), PE, ILS, ATE, and FMP/NFMP installations for FY 1999 and prior years is included.</p> <p>Budget reflects the transfer of design services into the appropriate equipment P-1 line item beginning in FY 1998.</p>								

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WEAPONS SYSTEM COST ANALYSIS									DATE:		
P-5									February 1997		
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE/SUBHEAD							
Other Procurement, Navy				AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE) 43SJ							
BA 3 AVIATION SUPPORT EQUIPMENT											
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS								
			FY 1996		FY 1997		FY 1998		FY 1999		
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	
SJ 040	SERVICE CHANGE KITS LAUNCHER Catapults - CV(N) Catapult Support Equipment - CV(N) VISUAL LANDING AIDS Visual Landing Aids - ACS Visual Landing Aids - CV(N) Integrated Launch & Recovery Television System - CV(N) RECOVERY Arresting Gear - CV(N) Helicopter Landing System - ACS	A		2,071 (923) (38) (312) (30) (400) (368)		2,788 (2,388) (400)		10,260 (5,165) (800) (1,360) (300) (1,875) (760)		4,930 (2,700) (670) (1,260)	
SJ 210	LRLS - CV(N)	B					6	1,800	5	1,500	
SJ 220	LRLS - Shorebased	B					6	900	7	1,050	
SJ 230	ISIS/ADMACS - CV(N)	B							3	4,500	
SJ 240	IFLOLS - CV(N)	B							5	4,000	
SJ 250	IFLOLS - Shorebased	B							6	3,000	
SJ 260	AS/32P-25 FIRE TRUCK	B			56	8,219	13	2,347			
SJ 800	INTEGRATED LOGISTICS SUPPORT			737		563		1,264		1,134	
SJ 830	PRODUCTION ENGINEERING			1,913		1,907		2,747		3,033	
SJ 860	ACCEPTANCE, TEST & EVALUATION			4		94		284		170	
SJ 900	INSTALLATION - NFMP			8,414		11,147		8,738		7,676	
SJ 910	INSTALLATION - FMP			3,344		3,518		883		7,390	
TBD	DESIGN SERVICE AGENT							407		928	
TOTAL					16,483		28,236		29,630		39,311

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)								A. DATE February 1997		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 AVIATION SUPPORT EQUIPMENT				C. P-1 ITEM NOMENCLATURE AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE)				SUBHEAD 43SJ		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
SJ260 AS/32P-25 FY 1997	The Entwistle Company Hudson, MA	Option to EMD* Contract (CPI)	NAWCAD LKE	2/97	1/98	56	146.8	Yes	Yes	7/96
SJ260 AS/32P-25 FY 1998	The Entwistle Company Hudson, MA	Option to EMD* Contract (CPI)	NAWCAD LKE	12/97	1/99	13	180.5	Yes	Yes	7/96
SJ210 LRLS - CV(N) FY 1998	TBD	FFP/OPTION**	NAWCAD LKE	11/97	10/98	6	300.0	Yes	No	N/A
SJ210 LRLS - CV(N) FY 1999	TBD	FFP/OPTION**	NAWCAD LKE	11/98	10/99	5	300.0	Yes	No	N/A
SJ220 LRLS - Shorebased FY 1998	TBD	FFP/OPTION**	NAWCAD LKE	11/97	10/98	6	150.0	Yes	No	N/A
SJ220 LRLS - Shorebased FY 1999	TBD	FFP/OPTION**	NAWCAD LKE	11/98	10/99	7	150.0	Yes	No	N/A
SJ230 ISIS/ADMACS FY 1999	NAWCAD LKE***	FFP	NAWCAD LKE	11/98	10/99	3	1,500.0	Yes	No	N/A
SJ240 IFLOLS - CV(N) FY 1999	HUGHES-INDY	FFP	NAWCAD LKE	11/98	10/99	5	800.0	Yes	No	N/A
SJ250 IFLOLS - Shorebased FY 1999	HUGHES-INDY	FFP	NAWCAD LKE	11/98	10/99	6	500.0	Yes	No	N/A
D. REMARKS *Engineering & Manufacturing Development **Options to EMD contract *** NAWCAD LKE will act as the systems integrator.										

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MODIFICATION INSTALLATION SUMMARY (EXHIBIT P-3N) (TOA, Dollars in Millions)							DATE February 1997		
APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Navy BA 3 AVIATION SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE)				
System/Modification	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	TOTAL
SERVICE CHANGES									
Launcher Related	5.8	9.5	6.8	5.7	3.9	3.2	10.9	12.0	57.7
VLA Related	0.9	2.7	1.5	3.1	2.9	0.7	0.5	2.3	14.5
Recovery Related	3.2	1.5	1.5	3.3	3.2	2.6	1.7	4.8	21.7
LRLS - CV(N)			0.2	1.1	0.6				1.9
LRLS - Shorebased				0.8	0.7	0.8			2.3
IFLOLS - CV(N)				0.7	1.3	1.7			3.7
IFLOLS - Shorebased					0.7	0.8	0.8		2.3
ISIS/ADMACS				1.4	1.5	3.2	1.9		8.0
V/STOL OLS	1.9	1.0							2.9
TOTAL	11.8	14.7	10.0	16.0	14.7	12.9	15.8	19.0	115.0

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CLASSIFICATION: UNCLASSIFIED

P3A INDIVIDUAL MODIFICATION																			
MODIFICATION TITLE: LAUNCHER RELATED SERVICE CHANGES AND HARDWARE																			
MODELS OF SYSTEM AFFECTED: VARIOUS																			
DESCRIPTION/JUSTIFICATION:																			
LAUNCHER RELATED SERVICE CHANGES FOR CV'S, CVN'S, AND AIR CAPABLE SHIPS (ACS).																			
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:																			
FY 1996 & Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																			
<u>RD&E</u>																			
<u>PROCUREMENT</u>																			
INSTALLATION KITS	*	22.163	*	2.388	*	5.965	*	2.700	*	6.540	*	10.940	*	15.941	*	12.024		*	78.661
INSTALLATION KITS - NONRECURRING EQUIPMENT																			
EQUIPMENT - NONRECURRING																			
ENGINEERING CHANGE ORDERS																			
DATA																			
TRAINING EQUIPMENT																			
SUPPORT EQUIPMENT																			
OTHER:																			
PE			*	0.578	*	0.363	*	0.104	*	0.194	*	0.090	*	0.526	*			*	1.855
ILS			*	0.100	*	0.017			*	0.173	*	0.069		0.246		0.787		*	1.392
ATE			*	0.094	*	0.300					*	0.007		0.005		0.008		*	0.414
INSTALLATION SUPPORT																		*	
INTERIM CONTRACTOR SUPPORT																			
<u>INSTALLATION OF HARDWARE</u>																			
FY 1996 EQUIPMENT & PRIOR (Various Kits)	*	39.873	*	9.325	*	5.855	*	5.256	*	1.932	*	1.908	*	10.082	*	11.315		*	85.546
FY 1997 EQUIPMENT (Various Kits)			*	0.220	*	0.335	*	0.400										*	0.955
FY 1998 EQUIPMENT (Various Kits)					*	0.644	*	0.043	*	0.569			*	0.166				*	1.422
FY 1999 EQUIPMENT (Various Kits)							*	0.018										*	0.018
FY 2000 EQUIPMENT (Various Kits)									*	1.420	*	0.776						*	2.196
FY 2001 EQUIPMENT (Various Kits)											*	0.539						*	0.539
FY 2002 EQUIPMENT (Various Kits)													*	0.634				*	0.634
FY 2003 EQUIPMENT (Various Kits)															*	0.649		*	0.649
TO COMPLETE EQUIPMENT																			
TOTAL INSTALLATION COST	*	39.873	*	9.545	*	6.834	*	5.717	*	3.921	*	3.223	*	10.882	*	11.964		*	91.959
TOTAL PROCUREMENT COST	*	62.036	*	12.705	*	13.479	*	8.521	*	10.828	*	14.329	*	27.600	*	24.783		*	174.281
TOTAL COST	*	62.036	*	12.705	*	13.479	*	8.521	*	10.828	*	14.329	*	27.600	*	24.783		*	174.281
METHOD OF IMPLEMENTATION: DEPOT ADMINISTRATIVE LEADTIME: VARIOUS PRODUCTION LEAD TIME: VARIOUS																			
CONTRACT DATE: FY 1997: VARIOUS FY 1998: VARIOUS FY 1999: VARIOUS																			
PRODUCTION DELIVER DATE: FY 1997: VARIOUS FY 1998: VARIOUS FY 1999: VARIOUS																			
INSTALLATION SCHEDULE:																			
		FY96		FY97		FY98		FY99		FY00		FY01		FY02		FY03		TC	TOTAL
		1, 2, 3, 4		1, 2, 3, 4		1, 2, 3, 4		1, 2, 3, 4		1, 2, 3, 4		1, 2, 3, 4		1, 2, 3, 4		1, 2, 3, 4			
INPUT		Various		Various		Various		Various		Various		Various		Various		Various		Various	Various
OUTPUT		Various		Various		Various		Various		Various		Various		Various		Various		Various	Various
* No single ALRE Launcher related service change exceeds \$2M.																			
* Reflects numerous service changes of varying types on various Aircraft Launch and Recovery Equipment.																			

P-3A

CLASSIFICATION: UNCLASSIFIED

P3A INDIVIDUAL MODIFICATION																					
MODIFICATION TITLE: VISUAL LANDING AIDS RELATED SERVICE CHANGES AND HARDWARE																					
MODELS OF SYSTEM AFFECTED: VARIOUS																					
DESCRIPTION/JUSTIFICATION:																					
VISUAL LANDING AIDS RELATED SERVICE CHANGES FOR CV'S, CVN'S, AND AIR CAPABLE SHIPS (ACS), VISUAL LANDING AIDS.																					
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:																					
	FY 1996 & Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
FINANCIAL PLAN (IN MILLIONS)																					
<u>BDT&E</u>																					
<u>PROCUREMENT</u>																					
INSTALLATION KITS	*	2.463			*	1.660	*	0.300					*	0.600	*	2.000			*	7.023	
INSTALLATION KITS - NONRECURRING EQUIPMENT																					
EQUIPMENT - NONRECURRING																					
ENGINEERING CHANGE ORDERS																					
DATA																					
TRAINING EQUIPMENT																					
SUPPORT EQUIPMENT																					
PE			*	0.080	*	0.168										0.455			*	0.703	
ILS			*	0.048										0.102					*	0.150	
ATE		0.004																		0.004	
INSTALLATION SUPPORT																					
INTERIM CONTRACTOR SUPPORT																					
<u>INSTALLATION OF HARDWARE</u>																					
FY 1996 EQUIPMENT & PRIOR (Various Kits)	*	4.998	*	2.677	*	1.555	*	1.081	*	0.616	*	0.683	*	0.555	*	2.055			*	14.220	
FY 1997 EQUIPMENT (Various Kits)																					
FY 1998 EQUIPMENT (Various Kits)								2.025												2.025	
FY 1999 EQUIPMENT (Various Kits)										2.242										2.242	
FY 2000 EQUIPMENT (Various Kits)																					
FY 2001 EQUIPMENT (Various Kits)																					
FY 2002 EQUIPMENT (Various Kits)																					
FY 2003 EQUIPMENT (Various Kits)																0.253		3.097		3.350	
TO COMPLETE EQUIPMENT																					
TOTAL INSTALLATION COST		4.998	*	2.677	*	1.555	*	3.106	*	2.858	*	0.683	*	0.555	*	2.308		3.350	*	22.090	
TOTAL PROCUREMENT COST	*	7.465	*	2.805	*	3.383	*	3.406	*	2.858	*	0.683	*	1.257	*	4.763	*	3.097	*	29.717	
TOTAL COST	*	7.465	*	2.805	*	3.383	*	3.406	*	2.858	*	0.683	*	1.257	*	4.763	*	3.097	*	29.717	
METHOD OF IMPLEMENTATION: DEPOT																					
ADMINISTRATIVE LEADTIME: VARIOUS																					
PRODUCTION LEAD TIME: VARIOUS																					
CONTRACT DATE:	FY 1997: VARIOUS					FY 1998: VARIOUS					FY 1999: VARIOUS										
PRODUCTION DELIVER DATE:	FY 1997: VARIOUS					FY 1998: VARIOUS					FY 1999: VARIOUS										
INSTALLATION SCHEDULE:																					
	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	TC	TOTAL											
INPUT	1, 2, 3, 4	1, 2, 3, 4	1, 2, 3, 4	1, 2, 3, 4	1, 2, 3, 4	1, 2, 3, 4	1, 2, 3, 4	1, 2, 3, 4	1, 2, 3, 4	1, 2, 3, 4											
OUTPUT	Various	Various	Various	Various	Various	Various	Various	Various	Various	Various											
	Various	Various	Various	Various	Various	Various	Various	Various	Various	Various											
* No single ALRE VLA related service change exceeds \$2M.																					
* Reflects numerous service changes of varying types of various Aircraft Launch and Recovery Equipment.																					

P-3A

P3A																																																								
MODIFICATION TITLE: <u>RECOVERY RELATED SERVICE CHANGES AND HARDWARE</u>																																																								
MODELS OF SYSTEM AFFECTED: <u>VARIOUS</u>																																																								
DESCRIPTION/JUSTIFICATION:																																																								
RECOVERY RELATED SERVICE CHANGES FOR CV'S AND CVN'S, ARRESTING GEAR, CV, HLS.																																																								
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:																																																								
<table><tr><th colspan="2">FY 1996 & Prior</th><th colspan="2">FY 1997</th><th colspan="2">FY 1998</th><th colspan="2">FY 1999</th><th colspan="2">FY 2000</th><th colspan="2">FY 2001</th><th colspan="2">FY 2002</th><th colspan="2">FY 2003</th><th colspan="2">TC</th><th colspan="2">TOTAL</th></tr><tr><th>QTY</th><th>\$</th><th>QTY</th><th>\$</th><th>QTY</th><th>\$</th><th>QTY</th><th>\$</th><th>QTY</th><th>\$</th><th>QTY</th><th>\$</th><th>QTY</th><th>\$</th><th>QTY</th><th>\$</th><th>QTY</th><th>\$</th><th>QTY</th><th>\$</th></tr></table>																	FY 1996 & Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL		QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FY 1996 & Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL																																						
QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$																																					
FINANCIAL PLAN (IN MILLIONS)																																																								
<u>RDT&E</u>																																																								
<u>PROCUREMENT</u>																																																								
INSTALLATION KITS	*	26.445	*	0.400	*	2.635	*	1.930	*	1.315	*	0.865	*	0.600	*	3.300		*	37.490																																					
INSTALLATION KITS - NONRECURRING																																																								
EQUIPMENT																																																								
EQUIPMENT - NONRECURRING																																																								
ENGINEERING CHANGE ORDERS																																																								
DATA																																																								
TRAINING EQUIPMENT																																																								
SUPPORT EQUIPMENT																																																								
OTHER:																																																								
PE	*	0.351	*	0.483	*	0.690	*	0.193	*	0.317	*	0.129	*	0.260				*	2.423																																					
ILS	*	0.069	*	0.105	*	0.139	*	0.135	*	0.138	*	0.115		0.163		0.119		*	0.983																																					
ATE					*	0.015	*	0.030					0.005		0.010		*	0.060																																						
INSTALLATION SUPPORT																																																								
INTERIM CONTRACTOR SUPPORT																																																								
<u>INSTALLATION OF HARDWARE</u>																																																								
FY 1996 EQUIPMENT & PRIOR (Various Kits)	*	22.204	*	1.387	*	1.271	*	0.953	*	1.301	*	0.711	*	0.911	*	4.215		*	32.953																																					
FY 1997 EQUIPMENT (Various Kits)			*	0.126														*	0.126																																					
FY 1998 EQUIPMENT (Various Kits)					*	0.250												*	0.250																																					
FY 1999 EQUIPMENT (Various Kits)							*	2.358										*	2.358																																					
FY 2000 EQUIPMENT (Various Kits)									*	1.897								*	1.897																																					
FY 2001 EQUIPMENT (Various Kits)											*	1.873						*	1.873																																					
FY 2002 EQUIPMENT (Various Kits)													*	0.810				*	0.810																																					
FY 2003 EQUIPMENT (Various Kits)															*	0.583		*	0.583																																					
TO COMPLETE EQUIPMENT																																																								
TOTAL INSTALLATION COST	*	22.204	*	1.513	*	1.521	*	3.311	*	3.198		2.584	*	1.721	*	4.798		*	40.850																																					
TOTAL PROCUREMENT COST	*	49.069	*	2.501	*	5.000	*	5.599	*	4.968	*	3.693	*	2.749	*	8.227		*	81.806																																					
TOTAL COST	*	49.069	*	2.501	*	5.000	*	5.599	*	4.968	*	3.693	*	2.749	*	8.227		*	81.806																																					
METHOD OF IMPLEMENTATION: DEPOT																																																								
CONTRACT DATE: ADMINISTRATIVE LEADTIME: VARIOUS PRODUCTION LEAD TIME: VARIOUS																																																								
FY 1997: VARIOUS FY 1998: VARIOUS FY 1999: VARIOUS																																																								
PRODUCTION DELIVER DATE: FY 1997: VARIOUS FY 1998: VARIOUS FY 1999: VARIOUS																																																								
INSTALLATION SCHEDULE:																																																								
		FY96		FY97		FY98		FY99		FY00		FY01		FY02		FY03		TC	TOTAL																																					
		<u>1, 2, 3, 4</u>		<u>1, 2, 3, 4</u>		<u>1, 2, 3, 4</u>		<u>1, 2, 3, 4</u>		<u>1, 2, 3, 4</u>		<u>1, 2, 3, 4</u>		<u>1, 2, 3, 4</u>		<u>1, 2, 3, 4</u>																																								
INPUT		Various		Various		Various		Various		Various		Various		Various		Various		Various	Various																																					
OUTPUT		Various		Various		Various		Various		Various		Various		Various		Various		Various	Various																																					
* No single ALRE Recovery related service change exceeds \$2M.																																																								
* Reflects numerous service changes of varying types on various Aircraft Launch and Recovry Equipment.																																																								
P-3A																																																								

CLASSIFICATION: UNCLASSIFIED

P3A INDIVIDUAL MODIFICATION																			
MODIFICATION TITLE: LRLS																			
MODELS OF SYSTEM AFFECTED: LRLS MK 15 MOD 0 (CV/CVN), MK16 MOD 0 (CV/CVN).																			
WILL IMPROVE NIGHT AIRCRAFT CARRIER LANDING PERFORMANCE BY PROVIDING THE PILOT WITH MORE PRECISE LINE-UP INFORMATION AT GREATER RANGE.																			
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:																			
FY 1996 & Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL	
QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																			
RDT&E		5.8		1.9		0.3												8.000	
PROCUREMENT																			
INSTALLATION KITS				12		2.700		12		2.550		7		1.050				31 6.300	
INSTALLATION KITS - NONRECURRING EQUIPMENT																			
EQUIPMENT - NONRECURRING																			
ENGINEERING CHANGE ORDERS																			
DATA																			
TRAINING EQUIPMENT																			
SUPPORT EQUIPMENT																			
OTHER:																			
PE						0.609		0.731		0.832		0.485		0.353		0.219		3.229	
ILS						0.234		0.301		0.063		0.093		0.077		0.013		0.781	
ATE								0.070		0.075		0.008		0.005		0.002		0.160	
INSTALLATION SUPPORT																			
INTERIM CONTRACTOR SUPPORT																			
INSTALLATION OF HARDWARE																			
FY 1996 EQUIPMENT & PRIOR																			
FY 1997 EQUIPMENT																			
FY 1998 EQUIPMENT (12 KITS)				*		0.170		12		1.710								1.880	
FY 1999 EQUIPMENT (12 KITS)								*		0.170		12		1.145				1.315	
FY 2000 EQUIPMENT (7 KITS)										*		0.170		7		0.805		0.975	
FY 2001 EQUIPMENT																			
FY 2002 EQUIPMENT																			
FY 2003 EQUIPMENT																			
TO COMPLETE EQUIPMENT																			
TOTAL INSTALLATION COST						0.170		1.880		1.315		0.805						4.170	
TOTAL PROCUREMENT COST				12		3.713		12		5.532		7		3.335		1.391		0.435 0.234 31 14.640	
TOTAL COST		5.800		1.900		4.013		5.532		3.335		1.391		0.435		0.234		22.640	
METHOD OF IMPLEMENTATION: DEPOT ADMINISTRATIVE LEADTIME: 2 MONTHS PRODUCTION LEAD TIME: 12 MONTHS																			
CONTRACT DATE:		FY 1997: N/A				FY 1998: 11/97				FY 1999: 11/98									
PRODUCTION DELIVER DATE:		FY 1997: N/A				FY 1998: 11/98				FY 1999: 11/99									
*Installation funding based on FY of start of availability vice hardware delivery.																			

CLASSIFICATION: **UNCLASSIFIED**

P3A-1 (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODIFICATION TITLE: **LRLS MK 15 MOD O, MK 16 MOD O**

INSTALLATION SCHEDULE:

INPUT ==>		FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		TOTAL				
FY 1996 & Prior																																
FY 1997																																
FY 1998											9 3																	12				
FY 1999															9 3													12				
FY 2000																			7									7				
FY 2001																																
FY 2002																																
FY 2003																																
TO COMPLETE																																
		TOTAL INPUT																												31		

OUTPUT ==>		FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		TOTAL
FY 1996 & Prior																																
FY 1997																																
FY 1998											3 3 3 3																					12
FY 1999															3 3 3 2				1													12
FY 2000																			2 3 2													7
FY 2001																																
FY 2002																																
FY 2003																																
TO COMPLETE																																
		TOTAL OUTPUT																												31		

P-3A

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A INDIVIDUAL MODIFICATION																										
MODIFICATION TITLE: <u>ISIS/ADMACS</u>																										
MODELS OF SYSTEM AFFECTED: <u>NEW SYSTEM TO BE INSTALLED ON CV/CVN'S AND SHORE SITES FOR FLEET USE.</u>																										
DESCRIPTION/JUSTIFICATION:																										
REAL TIME CONFIGURATION MANAGED, TACTICAL LOCAL AREA NETWORK PROVIDING CONNECTIVITY AMONG ALL AIR OPERATIONS AND ALRE WORK SPACES ABOARD CV'S AND CVN'S.																										
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:																										
FY 1996 & Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL								
QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$							
FINANCIAL PLAN (IN MILLIONS)																										
<u>RDT&E</u>																										
<u>PROCUREMENT</u>																										
INSTALLATION KITS						3	4.500	5	7.500	4	6.000					12	18.000									
INSTALLATION KITS - NONRECURRING																										
EQUIPMENT																										
EQUIPMENT - NONRECURRING																										
ENGINEERING CHANGE ORDERS																										
DATA																										
TRAINING EQUIPMENT																										
SUPPORT EQUIPMENT																										
OTHER:																										
PE						1.189		1.616		0.897		0.526		0.334				4.562								
ILS		0.044		0.352		0.395		0.221		0.160		0.144		0.093				1.409								
ATE												0.020		0.020				0.040								
INSTALLATION SUPPORT																										
INTERIM CONTRACTOR SUPPORT																										
<u>INSTALLATION OF HARDWARE</u>																										
FY 1996 EQUIPMENT & PRIOR																										
FY 1997 EQUIPMENT																										
FY 1998 EQUIPMENT																										
FY 1999 EQUIPMENT (3 KITS)						*	1.400	3	0.500									1.900								
FY 2000 EQUIPMENT (5 KITS)								*	1.000	5	2.240									3.240						
FY 2001 EQUIPMENT (4 KITS)										*	1.000	4	1.920									2.920				
FY 2002 EQUIPMENT																										
FY 2003 EQUIPMENT																										
TO COMPLETE EQUIPMENT																										
TOTAL INSTALLATION COST							1.400		1.500		3.240		1.920									8.060				
TOTAL PROCUREMENT COST								0.352	7.484	3	10.837	5	10.297	4	2.610					12	31.580					
TOTAL COST								0.352	7.484		10.837		10.297		2.610									31.580		
METHOD OF IMPLEMENTATION: DEPOT						ADMINISTRATIVE LEADTIME: 1 MONTH						PRODUCTION LEAD TIME: 12 MONTHS														
CONTRACT DATE:						FY 1997: N/A				FY 1998: N/A				FY 1999: 11/98												
PRODUCTION DELIVER DATE:						FY 1997: N/A				FY 1998: N/A				FY 1999: 11/98												
*Installation funding based on FY of start of availability vice hardware delivery.																										
P-3A																										

CLASSIFICATION: **UNCLASSIFIED**

P3A-1 (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODIFICATION TITLE:

ISIS/ADMACS

INSTALLATION SCHEDULE:

INPUT ==>	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	TOTAL
FY 1996 & Prior																															
FY 1997																															
FY 1998																															
FY 1999														1	1	1															3
FY 2000																		2	1	1	1										5
FY 2001																						1	1	1	1						4
FY 2002																															
FY 2003																															
TO COMPLETE																															
																TOTAL INPUT														12	
OUTPUT ==>	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	TOTAL
FY 1996 & Prior																															
FY 1997																															
FY 1998																															
FY 1999														1	1		1														3
FY 2000																		1	1	2	1										5
FY 2001																						1	1	1	1						4
FY 2002																															
FY 2003																															
TO COMPLETE																															
																TOTAL OUTPUT														12	

CLASSIFICATION: UNCLASSIFIED

P3A																									
INDIVIDUAL MODIFICATION																									
MODIFICATION TITLE: IFLOLS																									
MODELS OF SYSTEM AFFECTED: IFLOLS MK 13 MOD O (CV/CVN), MK 14 MOD O (SHORE).																									
DESCRIPTION/JUSTIFICATION:																									
REPLACE THE EXISTING FLOLS WITH AN IMPROVED DESIGN THAT WILL PROVIDE INCREASED GLIDE SLOPE DISPLAY SENSITIVITY AS WELL AS IMPROVED OPTICS AND STABILIZATION.																									
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:																									
FY 1996 & Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		TC		TOTAL							
QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$						
FINANCIAL PLAN (IN MILLIONS)																									
<u>RD&E</u>																									
<u>PROCUREMENT</u>																									
INSTALLATION KITS						11		7.000		12		7.500		8		4.300				31		18.800			
INSTALLATION KITS - NONRECURRING EQUIPMENT																									
EQUIPMENT - NONRECURRING																									
ENGINEERING CHANGE ORDERS																									
DATA																									
TRAINING EQUIPMENT																									
SUPPORT EQUIPMENT																									
OTHER:																									
PE						0.411		0.731		0.847		0.750		0.558		0.376						3.673			
ILS				0.080		0.213		0.200		0.275		0.375		0.218		0.138						1.499			
ATE								0.070		0.075		0.009										0.154			
INSTALLATION SUPPORT																									
INTERIM CONTRACTOR SUPPORT																									
<u>INSTALLATION OF HARDWARE</u>																									
FY 1996 EQUIPMENT & PRIOR																									
FY 1997 EQUIPMENT																									
FY 1998 EQUIPMENT																									
FY 1999 EQUIPMENT (11 KITS)						*		0.660		11		1.710										2.370			
FY 2000 EQUIPMENT (12 KITS)										*		0.330		12		2.155						2.485			
FY 2001 EQUIPMENT (8 KITS)												*		0.330		8		0.805				1.135			
FY 2002 EQUIPMENT																									
FY 2003 EQUIPMENT																									
TO COMPLETE EQUIPMENT																									
TOTAL INSTALLATION COST						0.660		2.040		2.485		0.805								5.990					
TOTAL PROCUREMENT COST						0.624		8.661		11		10.737		12		7.919		8		1.581		0.514		31	
TOTAL COST						0.624		8.661		10.737		7.919		1.581		0.514						30.036			
METHOD OF IMPLEMENTATION: DEPOT				ADMINISTRATIVE LEADTIME: 2 MONTHS				PRODUCTION LEAD TIME: 12 MONTHS																	
CONTRACT DATE:				FY 1997: N/A				FY 1998: N/A				FY 1999: 11/98													
PRODUCTION DELIVER DATE:				FY 1997: N/A				FY 1998: N/A				FY 1999: 11/99													
*Installation funding based on FY of start of availability vice hardware delivery.																									
P-3A																									

CLASSIFICATION: **UNCLASSIFIED**

P3A-1 (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODIFICATION TITLE: IFLOLS MK 13 MOD O, MK 14 MOD O

INSTALLATION SCHEDULE:

INPUT ==>	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
FY 1996 & Prior		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
FY 1997																															
FY 1998																															
FY 1999														2	3	3	3														11
FY 2000																		3	3	3	3										12
FY 2001																						3	3	2							8
FY 2002																															
FY 2003																															
TO COMPLETE																															
																TOTAL INPUT													31		
OUTPUT ==>	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
FY 1996 & Prior		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
FY 1997																															
FY 1998																															
FY 1999														2	3	3	3														11
FY 2000																		3	3	3	3										12
FY 2001																						2	2	2	2						8
FY 2002																															
FY 2003																															
TO COMPLETE																															
																TOTAL OUTPUT													31		

P-3A

INDIVIDUAL MODIFICATION																																																										
P3A																																																										
MODIFICATION TITLE: <u>VSTOL OLS</u>																																																										
MODELS OF SYSTEM AFFECTED: <u>MK 11 MOD 0, MK 12 MOD 0 VSTOL OLS</u>																																																										
DESCRIPTION/JUSTIFICATION:																																																										
Install VSTOL OLS as LHA, LHD Class Ships and at VSTOL pilot training facilities. 8 units delivered/installed in FY-96. Remaining 6 units deliver/install in FY97.																																																										
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: <u>I.O.C. 12/95</u>																																																										
<table border="1"> <thead> <tr> <th></th> <th colspan="2">FY 1996 & Prior</th> <th colspan="2">FY 1997</th> <th colspan="2">FY 1998</th> <th colspan="2">FY 1999</th> <th colspan="2">FY 2000</th> <th colspan="2">FY 2001</th> <th colspan="2">FY 2002</th> <th colspan="2">FY 2003</th> <th colspan="2">IC</th> <th colspan="2">TOTAL</th> </tr> <tr> <th></th> <th>QTY</th> <th>\$</th> <th>QTY</th> <th>\$</th> <th>QTY</th> <th>\$</th> <th>QTY</th> <th>\$</th> <th>QTY</th> <th>\$</th> <th>QTY</th> <th>\$</th> <th>QTY</th> <th>\$</th> <th>QTY</th> <th>\$</th> <th>QTY</th> <th>\$</th> <th>QTY</th> <th>\$</th> </tr> </thead> </table>																		FY 1996 & Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		IC		TOTAL			QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
	FY 1996 & Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		IC		TOTAL																																							
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$																																						
<u>FINANCIAL PLAN (IN MILLIONS)</u>																																																										
<u>RDT&E</u>																																																										
<u>PROCUREMENT</u>																																																										
INSTALLATION KITS	14	14.542																	14	14.542																																						
INSTALLATION KITS - NONRECURRING																																																										
EQUIPMENT																																																										
EQUIPMENT - NONRECURRING																																																										
ENGINEERING CHANGE ORDERS																																																										
DATA																																																										
TRAINING EQUIPMENT																																																										
SUPPORT EQUIPMENT																																																										
OTHER:																																																										
PE				0.040																0.040																																						
ILS		2.400		0.070																2.470																																						
ATE																																																										
INSTALLATION SUPPORT				0.200																0.200																																						
INTERIM CONTRACTOR SUPPORT																																																										
<u>INSTALLATION OF HARDWARE</u>																																																										
FY 1996 EQUIPMENT & PRIOR (14 KITS)	8	1.918	6	1.041															14	2.959																																						
FY 1997 EQUIPMENT																																																										
FY 1998 EQUIPMENT																																																										
FY 1999 EQUIPMENT																																																										
FY 2000 EQUIPMENT																																																										
FY 2001 EQUIPMENT																																																										
FY 2002 EQUIPMENT																																																										
FY 2003 EQUIPMENT																																																										
TO COMPLETE EQUIPMENT																																																										
TOTAL INSTALLATION COST	8	1.918	6	1.041															14	2.959																																						
TOTAL PROCUREMENT COST	14	18.860		1.351															14	20.211																																						
TOTAL COST		18.860		1.351																20.211																																						
METHOD OF IMPLEMENTATION: DEPOT																																																										
ADMINISTRATIVE LEADTIME: N/A																																																										
PRODUCTION LEAD TIME: 12 MONTHS																																																										
CONTRACT DATE:	FY 1997:	N/A			FY 1998:	N/A																																																				

CLASSIFICATION: **UNCLASSIFIED**

P3A-1 (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODIFICATION TITLE:

VSTOL OLS

INSTALLATION SCHEDULE:

INPUT ==>>																															
	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	TOTAL				
FY 1996 & Prior	8	2	3	1																							14				
FY 1997																															
FY 1998																															
FY 1999																															
FY 2000																															
FY 2001																															
FY 2002																															
FY 2003																															
TO COMPLETE																															
TOTAL INPUT																										14					

OUTPUT ==>																															
	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	TOTAL				
FY 1996 & Prior	8	2	3	1																							14				
FY 1997																															
FY 1998																															
FY 1999																															
FY 2000																															
FY 2001																															
FY 2002																															
FY 2003																															
TO COMPLETE																															
TOTAL OUTPUT																										14					

P-3A

[illegible]

CLASSIFICATION:

UNCLASSIFIED

REQUIREMENTS STUDY - NOT-INSTALLED NONCONSUMABLES P-23B								DATE <div>1-Feb-97</div>	
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 AVIATION SUPPORT EQUIPMENT				P-1 ITEM NOMENCLATURE AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE)					
ITEM/PROJECT UNIT	TOTAL IO / REQUIREMENT	QUANTITY ON HAND & NOT IN USE	QUANTITY IN USE	QUANTITY DUE IN WITH FY 96 & PRIOR FUNDS	QUANTITY DUE IN WITH FY 97 PROGRAM FUNDS	PLANNED BUDGET YEAR PROCUREMENT FY 98	PLANNED BUDGET YEAR PROCUREMENT FY 99	BALANCE	PHASING RATIONALE
AS/32P-25 FIRE TRUCK SJ260	69	0	0	0	56	13	0	0	EFFICIENT PRODUCTION & FLEET NEEDS
MEMO ENTRIES									
AS32P-25 FIRE TRUCK CV(N)s (12@3) = 36 LHA (5@2) = 10 LHD (7@ 2) = 14 TRAINERS 4 TYCOM 5 TOTAL 69									

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO 133

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UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: February 1997			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE Predator UAV Defense Airborne Reconnassiance Program (DARP) - J3D1			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	*	\$5.6	**	**	**	**	**	**
<p>Funding in the Navy Predator Unmanned Aerial Vehicle (UAV) line provides for the procurement of the UAV Common Automatic Recovery System (CARS) for several UAV systems.</p> <p>The purpose of the UAV CARS program is to provide an automated recovery system for all classes of UAVs that will reduce operational mishaps, operator fatigue, operator training, and associated costs. The UAV CARS is a millimeter-wave-tracking radar system that provides system position data to recover UAVs automatically. UAV CARS consist of one track subsystem and airborne subsystems for installation in UAV air vehicles with an option for a ship motion sensor. The Pioneer system was initially selected for fielding of the UAV CARS. FY97 funds the integration of UAV CARS with the Predator and Tactical UAV systems.</p> <p>* Prior to FY 1997 the Predator program was budgeted in the Procurement Defense-Wide appropriation.</p> <p>** Except for the UAV CARS Integration, beginning in FY 1997 the Predator program is budgeted by the Air Force.</p>								

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)								A. DATE February 1997		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT				C. P-1 ITEM NOMENCLATURE Predator UAV Defense Airborne Reconnassiance Program (DARP)			SUBHEAD J3D1			
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
<u>Predator UAV</u> FY1997 - CARS	Sierra Nevada Corp. Sierra Nevada	SS/FFP	Air Force	Mar 97	Aug 97	1	700	Yes		
D. REMARKS										

UNCLASSIFIED

Exhibit P-21 Production Schedule

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: February 1997			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE Pioneer UAV Defense Airborne Reconnassiance Program (DARP) - J3D2			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	*	\$25.0	**	**	**	**	**	**
<p>The Pioneer UAV system provides near-real-time reconnaissance, surveillance, target acquisition (RSTA) and combat assessment (CA) within line-of-sight of a ground control station, both day and night. The Pioneer UAV provides high quality video imagery to ground processing stations via datalink. Nine Pioneer systems are fielded. Five systems support U.S. Navy operations, including current testing/evaluation and deployment aboard three configured LPD ships; three systems support U.S. Marine Corps land based operations, and the remaining system supports training requirements. The Pioneer funding provides: replenishment spares needed to improve reliability and maintainability to achieve 85% readiness and replenish Unit Support Kits (USKs); readiness impact items that are required to maintain systems safety changes or correct critical system deficiencies resulting from emerging obsolescence; ability to maintain the readiness posture of operationally deployed systems; and improvements to meet requirements generated from Desert Storm, Somalia, and Bosnia operations lessons learned. In FY1996 procurement funds were used to buy critical spare parts and obsolescence engineering change proposals (ECPs). In FY1997 procurement funds will buy air vehicles, payloads, attrition spares and engineering change proposals such as plotter ECP, TCU air conditioner ECP, PCS autotracking ECP, engine improvements and shipboard antennas. In FY 1998 funds are requested for air vehicles ECPs that provide better weather resistance, flotation and locator transmitter, further engine improvements or replacement engine procurement, circuit board ECPs, intelligence bay ECP and obsolescence ECPs for FY98. FY1999-FY2002 procurement funds will buy support and equipment to maintain the Pioneer system. This profile supports the present TUAV transition schedule that effectively extends Pioneer through FY 2003.</p> <p>* Prior to FY 1997 the Pioneer program was budgeted in the Procurement, Defense-Wide appropriation. ** In FY 1998 and beyond Pioneer is budgeted in the Weapons Procurement, Navy (WPN) appropriation.</p>								

P-1 SHOPPING LIST

CLASSIFICATION:

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)								A. DATE February 1997		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT				C. P-1 ITEM NOMENCLATURE Pioneer UAV Defense Airborne Reconnaissance Program (DARP)				SUBHEAD J3D2		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
Pioneer UAV FY1997 - Payloads	Pioneer UAV, Inc. Hunt Valley, MD	SS/FFP	UAV-JPO	Feb 97	Jan 98	20	313	Yes		
D. REMARKS										

Exhibit P-21 Production Schedule

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BUDGET ITEM JUSTIFICATION SHEET					DATE Feb 1997			
APPROPRIATION/BUDGET ACTIVITY OPN BA3 - AVIATION SUPPORT EQUIPMENT				P-1 ITEM NOMENCLATURE METEOROLOGICAL EQUIPMENT 422600 53SP				
	FY 1996	FY 1997	FY 1998	FY 1999	FY2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (in millions)	\$19.7	\$16.7	\$17.8	\$23.9	\$24.1	\$24.3	\$25.0	25.7
<p>PROGRAM COVERAGE/JUSTIFICATION FOR BUDGET YEAR REQUIREMENTS:</p> <p>This item provides new and replacement meteorological equipment for all Naval/Marine Corps Air Stations and all Navy ships and other activities require take weather observations and provide safety of flight information. The procurement has been thoroughly coordinated with the other DOD and civilian agencies. Equipment is funded under the following programs:</p> <p>The AN/SMQ-11 is an environmental satellite receiver/recorder that is used to receive remotely sensed data from the Defense Meteorological Satellite Program (DMSP) satellites, the National Oceanographic and Atmospheric Administration (NOAA), Polar Orbiting Environmental Satellites (POES), and the Geostationary Orbiting Environmental Satellites (GOES), Low Resolution Weather Facsimile (WEFAX). The upgrade will allow the system to receive and preprocess additional environmental satellites, and comply with open systems architecture standards.</p> <p>The Mini-Rawin System (MRS) is a portable commercial off-the-shelf upper air sounding system used to measure pressure, temperature, humidity and wind speed and direction from the surface to the lower stratosphere. \$8 million in FY-96 (60 units) and \$9 million in FY-97 (68 units) will support upgrade of existing units to enable use of the Global Positioning System (GPS).</p> <p>The Automated Surface Observing System (ASOS) is an automatic system to sense, collect, display and disseminate real time meteorological information at both Navy and Marine Corps Air stations and remote sites such as weapon ranges and port facilities. \$3.4 million (16 systems) in FY- 96 is budgeted for ASOS.</p> <p>The Tactical Environmental Support Systems (TESS) Upgrade - Procure terminals, input/output control devices, CPUs and back planes to replace original equipment for block upgrades and P3I. \$8.1 million in FY-96, \$7.1 million in FY-97, \$7.8 million in FY-98 and \$9.9 million in FY-99 will support the TESS evolutionary acquisition Upgrade. TESS software is required to be upgraded to X-Windows with a C2 Secure Operating System as required for cutover of connectivity to DON/DISNET. Associated hardware upgrades that are required include CPU cards, RAM memory, clock, BUS, disk storage and disk controllers. TESS Upgrades planned for FY 96-99 include Fleet Numerical Meteorology and Oceanography Center (FNMOC) and Naval Oceanographic Office (NAVO) and the five regional centers at Guam, Pearl Harbor, Norfolk, Suitland and Rota Spain, and at afloat and ashore sites.</p>								

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BUDGET ITEM JUSTIFICATION SHEET (CONTINUATION)		DATE																																																																																		
APPROPRIATION/BUDGET ACTIVITY OPN BA3 - AVIATION SUPPORT EQUIPMENT		P-1 ITEM NOMENCLATURE METEOROLOGICAL EQUIPMENT 53SP																																																																																		
<p>Shipboard Meteorological and Oceanographic Observing System (SMOOS) P3I will provide Upgrades to existing suites to add smaller sensors such as radiometer \$2.2 million in FY-96. \$2.7 million in FY-99 will provide sensors that collect atmospheric pressure, temperature, and wind speed and direction data.</p> <p>Fleet Marine Force Meteorological Equipment - Meteorological Equipment required to upgrade existing Meteorological Mobile Facilities (METMF) used by the Mar Corps.</p> <p>Miscellaneous Meteorological Equipment - General Purpose Met Equipment covers unscheduled purchase of items such as: laser recorders, facsimile recorders, r temperature instruments, special tape recorders, power supplies, printed circuit module, etc.</p> <p>The Supplemental Weather Radar (SWR) is a commercial, small, light weight doppler radar system that will be located at sites where NEXRAD coverage is not avai Navy/USMC activities. The SWR will provide real-time surveillance and advance warning of potentially severe weather phenomena that are developing near or mo USN and USMC units. \$.98 million is budgeted in FY-96 and \$2.5 million in FY-97 for SWR.</p> <p>Training Support - Necessary to train the initial cadre of instructional personnel with the end item.</p> <p>Installation of Equipment - Installation efforts include plans, site surveys, BESEPS, equipment installation and checkout.</p> <p>Note: Budget reflects the transfer of design services into the appropriate equipment P-1 line item beginning in FY 1998.</p>																																																																																				
<p style="text-align: center;">MODIFICATION SUMMARY (\$M)</p> <p>Listed below are the costs (i.e. hardware and installation) for equipment being procured in this line item that have associated installation costs budgeted:</p> <table border="1"> <thead> <tr> <th>EQUIPMENT</th> <th>FY96</th> <th>FY97</th> <th>FY98</th> <th>FY99</th> <th>FY00</th> <th>FY01</th> <th>FY02</th> <th>FY03</th> </tr> </thead> <tbody> <tr> <td>MRS UPGRADE</td> <td>1.0</td> <td>1.0</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>ASOS</td> <td>3.9</td> <td>0.3</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>TESS UPGRADES</td> <td>10.5</td> <td>9.8</td> <td>10.8</td> <td>13.0</td> <td>9.7</td> <td>8.7</td> <td>11.3</td> <td>14.2</td> </tr> <tr> <td>SMOOS P3I</td> <td>0.2</td> <td>0.3</td> <td>1.5</td> <td>3.4</td> <td>2.2</td> <td>2.2</td> <td>5.9</td> <td>5.1</td> </tr> <tr> <td>SUPPLEMENTAL WEATHER RADAR</td> <td>1.0</td> <td>2.6</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>MRS/GPS</td> <td></td> <td></td> <td></td> <td></td> <td>2.0</td> <td>2.7</td> <td></td> <td></td> </tr> <tr> <td>AN/SMQ-11 UPGRADES</td> <td></td> <td></td> <td>1.6</td> <td>2.2</td> <td>5.3</td> <td>5.4</td> <td>5.6</td> <td>5.7</td> </tr> <tr> <td>Total</td> <td>16.6</td> <td>14.0</td> <td>13.9</td> <td>18.6</td> <td>19.2</td> <td>19.0</td> <td>22.8</td> <td>25.0</td> </tr> </tbody> </table>				EQUIPMENT	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	MRS UPGRADE	1.0	1.0							ASOS	3.9	0.3							TESS UPGRADES	10.5	9.8	10.8	13.0	9.7	8.7	11.3	14.2	SMOOS P3I	0.2	0.3	1.5	3.4	2.2	2.2	5.9	5.1	SUPPLEMENTAL WEATHER RADAR	1.0	2.6							MRS/GPS					2.0	2.7			AN/SMQ-11 UPGRADES			1.6	2.2	5.3	5.4	5.6	5.7	Total	16.6	14.0	13.9	18.6	19.2	19.0	22.8	25.0
EQUIPMENT	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03																																																																												
MRS UPGRADE	1.0	1.0																																																																																		
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TESS UPGRADES	10.5	9.8	10.8	13.0	9.7	8.7	11.3	14.2																																																																												
SMOOS P3I	0.2	0.3	1.5	3.4	2.2	2.2	5.9	5.1																																																																												
SUPPLEMENTAL WEATHER RADAR	1.0	2.6																																																																																		
MRS/GPS					2.0	2.7																																																																														
AN/SMQ-11 UPGRADES			1.6	2.2	5.3	5.4	5.6	5.7																																																																												
Total	16.6	14.0	13.9	18.6	19.2	19.0	22.8	25.0																																																																												

P-1 SHOPPING LIST

ITEM NO. 136 PAGE NO. 2

Exhibit P-40

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WEAPON SYSTEM COST ANALYSIS							DATE: Feb 1997			
B. APPROPRIATION/BUDGET ACTIVITY OP,N - BA3 AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE METEOROLOGICAL EQUIPMENT 422600 53SP					
COST CODE	ELEMENT OF COST	IDENT CODE (2)	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 96		FY 97		FY 98		FY 99	
			QTY (3)	TOTAL COST (4)	QTY (5)	TOTAL COST (6)	QTY (7)	TOTAL COST (8)	QTY (9)	TOTAL COST (10)
SP051	AN/SMQ-11 UPGRADES - SPACE	A					VAR	959	VAR	1,183
SP115	MRS UPGRADES	A	60	800	68	925				
SP130	ASOS	A	16	3,376						
SP190	TESS UPGRADES	A	VAR	8,101	VAR	7,060	VAR	7,841	VAR	9,858
SP200	SMOOS P3I		VAR	200					VAR	2,680
SP300	MET EQUIPMENT	N/A	VAR	2,842	VAR	2,578	VAR	5,433	VAR	5,683
SP400	GP EQUIPMENT	N/A	VAR	139	VAR	132				
SP500	SUPPLEMENTAL WEATHER RADAR	N/A	2	980	7	2,527				
SP666	TRAINING SUPPORT	N/A	VAR	230	VAR	230				
SP776	INSTALL SHORE	N/A	VAR	1,864	VAR	1,907	VAR	1,192	VAR	1,234
SP777	INSTALL SHIP	N/A	VAR	1,127	VAR	1,308	VAR	2,391	VAR	3,288
	INSTALL Design Service Agent							2,281 120		3,182 122
	TOTAL PROGRAM			19,659		16,667		17,816		23,926

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WEAPON SYSTEM PROCUREMENT HISTORY AND PLANNING									A. DATE Feb 1997		
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE						
OPN BA3 - AVIATION SUPPORT EQUIPMENT					METEOROLOGICAL EQUIPMENT						
COST CODE	ELEMENT OF COST FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAILABLE NOW	SPECS REV REQUIRED	IF YES, WHEN AVAILABLE
SP115	MRS UPGRADES FY-96 FY-97	VAISALA , MA VAISALA, MA	SS/FFP SS/FFP/OP	SPAWAR SPAWAR	Nov-96 Dec-96	Feb-97 Mar-97	60 68	\$13,333 \$13,603	Yes Yes	No No	
SP130	ASOS FY-96	AAI, MD	C/FFP/OP	NATWEASERV	Nov-95	Aug-96	16	\$211,000	Yes	No	
SP500	WEATHER RADAR* FY-96 FY-97	Enterprise Electronics, AL Enterprise Electronics, AL	C/FFP C/FFP/OP	NISE E/CH NISE E/CH	Dec-96 Mar-97	Mar-97 Jun-97	2 7	\$490,000 \$361,000	No No	No No	
D. REMARKS *FY 96 unit cost for Weather Radar includes non-recurring for data deliverables.											

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MODIFICATION TITLE: 53SP MINI-RAWIN SYSTEM UPGRADES (SHORE)

MODELS OF SYSTEMS AFFECTED:

DESCRIPTION/JUSTIFICATION: THE MRS IS A PORTABLE COMMERCIAL OFF-THE-SHELF UPPER AIR SOUNDING SYSTEM USED TO MEASURE PRESSURE TEMPERATURE, HUMIDITY AND WIND SPEED AND DIRECTION FROM THE SURFACE TO THE LOWER STRATOSPHERE. THE UPGRADE WIL ENABLE USE OF THE GLOBAL POSITIONING SYSTEM.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in millions)

	PY		FY 97		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		TC		Total	
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
RDT&E																				
PROCUREMENT																				
Kit Quantity																				
Installation Kits																				
Installation Kit Nonrecurring																				
Equipment	80	1.2	20	0.3															100	1.5
Equipment Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other																				
Interim Contractor Support																				
Installation of Hardware	27	0.1	20	0.08															47	0.18
(PY) Eqpt	27	0.1																	27	0.10
FY97 Eqpt			20	0.08															20	0.08
FY98 Eqpt																				
FY99 Eqpt																				
FY00 Eqpt																				
FY01 Eqpt																				
FY02 Eqpt																				
FY03 Eqpt																				
FY TC Eqpt																				
Total Installation Cost	27	0.1	20	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	47	0.2
Total Procurement Cost	80	1.2	20	0.3	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	100	1.5

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME: 3 MONTHS

PROCUREMENT LEADTIME: 3 MONTHS

CONTRACT DATES:

FY 1997: 12/96

FY 1998

FY 1999

DELIVERY DATE:

FY 1997: 3/97

FY 1998

FY 1999

INSTALLATION SCHEDULE:

INPUT

27 10 10

OUTPUT

27 10 5 5

INSTALLATION SCHEDULE:

INPUT

47

OUTPUT

47

*OF THE 100 UNITS PROCURED 53 UNITS ARE FOR
MOBILE TEAMS AND REQUIRE NO INSTALLATION

MODIFICATION TITLE: 53SP TACTICAL ENVIRONMENTAL SUPPORT SYSTEMS TESS UPGRADE (SHIP)
 MODELS OF SYSTEMS AFFECTED:
 DESCRIPTION/JUSTIFICATION: TESS UPGRADE PROCURES TERMINALS, INPUT/OUT CONTROL DEVICES, CPUs AND BACK PLANES TO REPLACE ORIGINAL EQUIPMENT FOR BLOCK UPGRADES. TESS SOFTWARE UPGRADES ALSO REQUIRED.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in millions)

	PY		FY 97		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		TC		Total	
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
RDT&E																				
PROCUREMENT																				
Kit Quantity																				
Installation Kits																				
Installation Kit Nonrecurring																				
Equipment	VAR	3.8	VAR	3.5	VAR	4.9	VAR	5.6	VAR	3.9	VAR	3.7	VAR	5.0	VAR	6.7			VAR	37.1
Equipment Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other																				
Interim Contractor Support																				
Installation of Hardware*	27	1.0	27	1.3	30	2.4	30	2.6	30	1.6	30	1.0	30	1.0	30	1.0			234	11.9
(PY) Eqpt	27	1.0																	27	1.0
FY97 Eqpt			27	1.3															27	1.3
FY98 Eqpt					30	2.4													30	2.4
FY99 Eqpt							30	2.6											30	2.6
FY00 Eqpt									30	1.6									30	1.6
FY01 Eqpt											30	1.0							30	1.0
FY02 Eqpt													30	1.0					30	1.0
FY03 Eqpt															30	1.0			30	1.0
FY TC Eqpt																			0	0.0
Total Installation Cost	27	1.0	27	1.30	30	2.4	30	2.6	30	1.6	30	1.0	30	1	30	1.0	0	0.0	234	11.9
Total Procurement Cost	VAR	4.8	VAR	4.8	VAR	7.3	VAR	8.2	VAR	5.5	VAR	4.7	VAR	6.0	VAR	7.7	VAR	0.0	VAR	49.0

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME:

VAR

PROCUREMENT LEADTIME:

VAR

CONTRACT DATES:

FY 1997: VAR

FY 1998: VAR

FY 1999: VAR

DELIVERY DATE:

FY 1997: VAR

FY 1998: VAR

FY 1999: VAR

INSTALLATION SCHEDULE:

PY	FY 97				FY 98				FY 99				FY 00			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

INPUT

27	6	7	7	7	7	8	8	7	7	7	8	8	7	7	8	8
----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

OUTPUT

27	6	7	7	7	7	8	8	7	7	7	8	8	7	7	8	8
----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

INSTALLATION SCHEDULE:

	FY 01				FY 02				FY 03				TC	Total
	1	2	3	4	1	2	3	4	1	2	3	4		

INPUT

7	7	8	8	7	7	8	8	7	7	8	8		234
---	---	---	---	---	---	---	---	---	---	---	---	--	-----

OUTPUT

7	7	8	8	7	7	8	8	7	7	8	8		234
---	---	---	---	---	---	---	---	---	---	---	---	--	-----

* Quantities reflect platforms

* TESS is an evolutionary acquisition program.

MODIFICATION TITLE: 53SP TACTICAL ENVIRONMENTAL SUPPORT SYSTEMS TESS UPGRADE (SHORE)

MODELS OF SYSTEMS AFFECTED:

DESCRIPTION/JUSTIFICATION: TESS UPGRADE PROCURES TERMINALS, INPUT/OUT CONTROL DEVICES, CPUs AND BACK PLANES TO REPLACE ORIGINAL EQUIPMENT FOR BLOCK UPGRADES. TESS SOFTWARE UPGRADES ALSO REQUIRED.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in millions)

	PY		FY 97		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		TC		Total	
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
RDT&E																				
PROCUREMENT																				
Kit Quantity																				
Installation Kits																				
Installation Kit Nonrecurring																				
Equipment	VAR	4.3	VAR	3.5	VAR	3.0	VAR	4.3	VAR	3.9	VAR	3.3	VAR	4.7	VAR	6.1			VAR	33.1
Equipment Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other																				
Interim Contractor Support																				
Installation of Hardware*	49	1.3	49	1.5	49	0.6	49	0.5	49	0.3	49	0.7	49	0.5	49	0.5			392	5.9
(PY) Eqpt	49	1.3																	49	1.3
FY97 Eqpt			49	1.5															49	1.5
FY98 Eqpt					49	0.6													49	0.6
FY99 Eqpt							49	0.5											49	0.5
FY00 Eqpt									49	0.3									49	0.3
FY01 Eqpt											49	0.7							49	0.7
FY02 Eqpt													49	0.5					49	0.5
FY03 Eqpt															49	0.5			49	0.5
FY TC Eqpt																			0	0.0
Total Installation Cost	49	1.3	49	1.50	49	0.6	49	0.5	49	0.3	49	0.7	49	0.5	49	0.5	0	0.0	392	5.9
Total Procurement Cost	VAR	5.6	VAR	5.0	VAR	3.6	VAR	4.8	VAR	4.2	VAR	4.0	VAR	5.2	VAR	6.6	VAR	0.0	VAR	39.0
METHOD OF IMPLEMENTATION:	ADMINISTRATIVE LEADTIME:				VAR				PROCUREMENT LEADTIME:				VAR							

CONTRACT DATES: FY 1997: VAR FY 1998: VAR FY 1999: VAR

DELIVERY DATE: FY 1997: VAR FY 1998: VAR FY 1999: VAR

	PY	FY 97				FY 98				FY 99				FY 00			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

INSTALLATION SCHEDULE:

INPUT 49 12 12 12 13 12 12 12 13 12 12 12 13 12 12 12 13

OUTPUT 49 12 12 12 13 12 12 12 13 12 12 12 13 12 12 12 13

	FY 01				FY 02				FY 03				TC	Total
	1	2	3	4	1	2	3	4	1	2	3	4		

INSTALLATION SCHEDULE:

INPUT 12 12 12 13 12 12 12 13 12 12 12 13 392

OUTPUT 12 12 12 13 12 12 12 13 12 12 12 13 392

*Quantities reflect platforms

MODIFICATION TITLE:
 MODELS OF SYSTEMS AFFECTED:
 DESCRIPTION/JUSTIFICATION:

53SP AUTOMATED SURFACE OBSERVING SYSTEM (ASOS) (ASHORE)

ASOS IS AN AUTOMATIC SYSTEM TO SENSE, COLLECT, DISPLAY AND DISSEMINATE REAL TIME METEOROLOGICAL INFORMATION AT BOTH NAVY AND MARINE CORPS AIR STATIONS AND REMOTE SITES SUCH AS WEAPON RANGES AND SHORE FACILITIES.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in millions)

	PY		FY 97		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		TC	Total	
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	\$
RDT&E																			
PROCUREMENT																			
Kit Quantity																			
Installation Kits																			
Installation Kit Nonrecurring																			
Equipment	85	18.7																85	18.7
Equipment Nonrecurring																			
Engineering Change Orders																			
Data																			
Training Equipment																			
Support Equipment																			
Other																			
Interim Contractor Support																			
Installation of Hardware	78	1.8	7	0.3														85	2.1
(PY) Eqpt	78	1.8	7	0.3														85	2.1
FY97 Eqpt																		0	0.0
FY98 Eqpt																			
FY99 Eqpt																			
FY00 Eqpt																			
FY01 Eqpt																			
FY02 Eqpt																			
FY03 Eqpt																			
FY TC Eqpt																			
Total Installation Cost	78	1.8	7	0.3														85	2.1
Total Procurement Cost	26	20.5		0.3														26	20.8

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME: 3 MONTHS

PROCUREMENT LEADTIME: 3 MONTHS

CONTRACT DATES:

FY 1997:

FY 1998

FY 1999

DELIVERY DATE:

FY 1997:

FY 1998

FY 1999

INSTALLATION SCHEDULE:

PY	FY 97				FY 98				FY 99				FY 00			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

INPUT

78

7

OUTPUT

78

7

INSTALLATION SCHEDULE:

FY 01				FY 02				FY 03				TC	Total
1	2	3	4	1	2	3	4	1	2	3	4		

INPUT

85

OUTPUT

85

MODIFICATION TITLE: 53SP AN/SMQ-11 UPGRADE (SHIP)

MODELS OF SYSTEMS AFFECTED:

DESCRIPTION/JUSTIFICATION: THE AN/SMQ-11 IS AN ENVIRONMENTAL SATELLITE RECEIVER/RECORDER. THE UPGRADES WILL ALLOW THE SYSTEM TO RECEIVE AND PREPROCESS ADDITIONAL ENVIRONMENTAL SATELLITES, AND COMPLY WITH OPEN SYSTEMS ARCHITECTURE STANDARDS.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in millions)

	PY	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	TC	Total
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
RDT&E										
PROCUREMENT										
Kit Quantity										
Installation Kits										
Installation Kit Nonrecurring										
Equipment				VAR	0.5	VAR	1.4	VAR	1.8	VAR
Equipment Nonrecurring										
Engineering Change Orders										
Data										
Training Equipment										
Support Equipment										
Other										
Interim Contractor Support										
Installation of Hardware				30	0.2	30	2.2	30	1.1	150.0
(PY) Eqpt										
FY97 Eqpt										
FY98 Eqpt										
FY99 Eqpt				30	0.2					30.0
FY00 Eqpt					30	1.1				30.0
FY01 Eqpt						30	2.2			30.0
FY02 Eqpt							30	1.4		30.0
FY03 Eqpt								30	1.1	30.0
FY TC Eqpt										3.3
Total Installation Cost				30	0.2	30	2.2	30	1.1	150
Total Procurement Cost				30	0.7	30	3.6	30	2.9	150

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME:

VAR

PROCUREMENT LEADTIME:

VAR

CONTRACT DATES:

FY 1997:

FY 1998

FY 1999

DELIVERY DATE:

FY 1997:

FY 1998

FY 1999

INSTALLATION SCHEDULE:

INPUT

OUTPUT

INSTALLATION SCHEDULE:

INPUT

OUTPUT

PY	FY 97				FY 98				FY 99				FY 00					
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
										7	7	8	8		7	7	8	8
										7	7	8	8		7	7	8	8
							</											

THE AN/SMQ-11 IS AN ENVIRONMENTAL SATELLITE RECEIVER/RECORDER. THE UPGRADES WILL ALLOW THE SYSTEM TO RECEIVE AND PREPROCESS ADDITIONAL ENVIRONMENTAL SATELLITES, AND COMPLY WITH OPEN SYSTEMS ARCHITECTURE STANDARDS.

FINANCIAL PLAN: (\$ in millions)

METHOD OF IMPLEMENTATION:

VAR

FY 1999

FY 1999

INSTALLATION SCHEDULE:

MODIFICATION TITLE:
 MODELS OF SYSTEMS AFFECTED:
 DESCRIPTION/JUSTIFICATION:

53SP SUPPLEMENTAL WEATHER RADAR (SWR) (SHORE)

THE SWR WILL PROVIDE REAL-TIME SURVEILLANCE AND ADVANCE WARNING OF POTENTIALLY SEVERE WEATHER
 PHENOMENA DEVELOPING NEAR OR MOVING TOWARDS USN AND USMC UNITS.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in millions)

	PY		FY 97		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		TC		Total	
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
RDT&E																				
PROCUREMENT																				
Kit Quantity																				
Installation Kits																				
Installation Kit Nonrecurring																				
Equipment	2	1.0	7	2.5															9	3.50
Equipment Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other																				
Interim Contractor Support																				
Installation of Hardware			9	0.09																
(PY) Eqpt			2	0.02															2	0.02
FY97 Eqpt			7	0.07															7	0.07
FY98 Eqpt																				
FY99 Eqpt																				
FY00 Eqpt																				
FY01 Eqpt																				
FY02 Eqpt																				
FY03 Eqpt																				
FY TC Eqpt																				
Total Installation Cost			9	0.1															9	0.1
Total Procurement Cost	2	1.0	7	2.5															9	3.5

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME:

2 MONTHS

PROCUREMENT LEADTIME:

3 MONTHS

CONTRACT DATES:

FY 1997: 3/97

FY 1998

FY 1999

DELIVERY DATE:

FY 1997: 6/97

FY 1998

FY 1999

INSTALLATION SCHEDULE:

PY	FY 97				FY 98				FY 99				FY 00			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

INPUT

3 6

OUTPUT

2 2

2 3

INSTALLATION SCHEDULE:

FY 01				FY 02				FY 03				TC	Total
1	2	3	4	1	2	3	4	1	2	3	4		

INPUT

9

OUTPUT

9

MODIFICATION TITLE:
 MODELS OF SYSTEMS AFFECTED:
 DESCRIPTION/JUSTIFICATION:

53SP SHIPBOARD METEOROLOGICAL AND OCEANOGRAPHIC OBSERVING SYSTEM (SMOOS) P3I (SHIP)

SMOOS P3I WILL PROVIDE UPGRADES TO EXISTING SUITES TO ADD SMALLER SENSORS SUCH AS RADIOMETERS (FY 9/6/97).
 UPGRADES TO SENSORS THAT COLLECT ATMOSPHERIC PRESSURE, TEMPERATURE, AND WIND DIRECTION DATA (FY 98/99),
 TRANSMISSOMETERS AND OTHER MISCELLANEOUS SENSORS (FY 00/01) AND DEPLOYABLE/REMOTE WEATHER
 SENSING DEVICES (FY 02/03).

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in millions)

	PY		FY 97		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		TC		Total	
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
RDT&E																				
PROCUREMENT																				
Kit Quantity																				
Installation Kits																				
Installation Kit Nonrecurring																				
Equipment	VAR	0.2					VAR	2.7	VAR	1.8	VAR	1.6	VAR	4.7	VAR	3.3			VAR	14.3
Equipment Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Support Equipment																				
Other																				
Interim Contractor Support																				
Installation of Hardware							27	0.5	27	0.4	27	0.4	27	1.2	27	1.7			135	4.2
(PY) Eqpt																				
FY97 Eqpt																				
FY98 Eqpt																			0	0.0
FY99 Eqpt							27	0.5											27	0.5
FY00 Eqpt									27	0.4									27	0.4
FY01 Eqpt											27	0.4							27	0.4
FY02 Eqpt													27	1.2					27	1.2
FY03 Eqpt															27	1.7			27	1.7
FY TC Eqpt																				
Total Installation Cost							27	0.5	27	0.4	27	0.4	27	1.2	27	1.7			135	4.2
Total Procurement Cost	VAR	0.2	VAR	0.3	VAR	1.5	VAR	3.4	VAR	2.3	VAR	2.2	VAR	6.0	VAR	5.1			VAR	21.0
METHOD OF IMPLEMENTATION:	ADMINISTRATIVE LEADTIME: VAR										PROCUREMENT LEADTIME: VAR									

CONTRACT DATES:

FY 1997:

FY 1998

FY 1999

DELIVERY DATE:

FY 1997:

FY 1998

FY 1999

INSTALLATION SCHEDULE:

PY	FY 97				FY 98				FY 99				FY 00			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

INPUT

6 7 7 7 6 7 7 7

OUTPUT

6 7 7 7 6 7 7 7

INSTALLATION SCHEDULE:

FY 01				FY 02				FY 03				TC	Total
1	2	3	4	1	2	3	4	1	2	3	4		

INPUT

6 7 7 7 6 7 7 7 6 7 7 7 135

OUTPUT

6 7 7 7 6 7 7 7 6 7 7 7 135

[illegible]

MANUFACTURER'S NAME & LOCATION	PRODUCTION SCHEDULE			REACHED D+
	MINIMUM SUST.	10.5	MAX.	
VAISALA, MA	10		10	

PROCUREMENT LEAD TIME					
	ADMIN LEAD TIME		MANUF- TURING TIME	TOTAL AFTER 1 OCT	
	PRIOR 30-Sep	AFTER 30-Sep			
	INITIAL		3	2	6
	REORDER				

REMARKS

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REQUIREMENTS STUDY - NOT INSTALLED NONCONSUMABLES							A. DATE Feb 1997			
B. APPROPRIATION/BUDGET ACTIVITY OP,N - BA3 AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE METEOROLOGICAL EQUIPMENT 422600 53SP					
ITEM	TOTAL I/O REQUIREMENT	QUANTITY ON HAND & NOT IN USE	QUANTITY IN USE	QUANTITY DUE IN WITH FY 96 AND PRIOR FUNDS	PLANNED BUDGET YEAR (FY97) PROCUREMENT	PLANNED BUDGET YEAR (FY98) PROCUREMENT	PLANNED BUDGET YEAR (FY99) PROCUREMENT	BALANCE	PHASING RATIONALE	
SP115 MRS UPGRADES	128			60	68				Complete	
SP130 ASOS	85		78	7					Complete	
SP500 WEATHER RADAR	9			2	7				Complete	
MEMO ENTERED										
ITEM #1 SP115 MRS UPGRADES hull/location qty SHIP 28 SHORE 47 MOBILE TEAMS 53 CV/CVN, LHA, LHD, LPH, AGF, LCC TOTAL I/O 128			ITEM #2 SP130 ASOS hull/location qty NAS/NAVSTA 85 TOTAL I/O 85			ITEM #3 SP500 WEATHER RADAR hull/location qty SHORE 9 TOTAL I/O 9				
ITEM #4 hull/location qty TOTAL I/O			ITEM #5 hull/location qty TOTAL I/O			ITEM #6 hull/location qty TOTAL I/O				

DD FORM 2447-1, JUN 86

 P-1 SHOPPING LIST
 ITEM NO. 136 PAGE NO. 14

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 CLASSIFICATION
 Exhibit P-23B

CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: February 1997			
OTHER PROCUREMENT, NAVY BA 3 - AVIATION SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE OTHER PHOTOGRAPHIC EQUIPMENT			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	0.7	0.7	0.8	1.0	0.9	1.0	1.0	1.0
<p>The Naval Air Systems Command is tasked to fund transition of CV photographic labs from traditional film technology to digital imagery technology, CNO Memo Ser 09B/2U2501983 of 23 Oct 92 applies. The CV main photographic lab supports the full visual imaging program afloat to include: Carrier Intelligence Center (CVIC) support (Bomb Damage Assessment (BDA) and target imagery), incidents and accidents at sea, medical media, copy and reproduction, investigation, aerial and surface surveillance, combat camera, safety, training and Public Affairs Office (PAO).</p> <p>Electronic/digital imagery acquisition media is rapidly expanding (ATARS, TAMPS, JSIPS). It is imperative the CV photo lab be able to interface with the new electronic media. Hard copy imagery is required in the documentation of real world events (drug interdiction program, humanitarian relief efforts, shipboard and flight operational documentation). This imagery is used at all levels within DoD including CNO, SECNAV, JCS, National Military Command Center and the White House. Hard copy photographs are used in the decision making process by the Fleet and Battle Group Commanders and directly impacts the overall Navy mission. Digital imagery can be quickly disseminated via shipboard communication systems to support decisions makers at the local, theater, and global levels (CVBG, CINC, and JCS).</p> <p>Digital technology will generate less environmentally damaging effluents, and have no impact on shipboard water consumption currently used in traditional photographic processes. Electronic imaging is less manpower intensive and requires less maintenance and overall support resources than traditional mechanical hardware.</p> <p>In order to fully utilize the film technology employed on CV's, a two phase transition plan will be implemented. An interim photo lab was installed to interface with existing film technology which will allow the CV to maintain 100% mission capability until final digital installation. LANT and PAC deployment schedules and pier-side availability determine the installation schedule. Phase II digital capability began in late FY 95/early FY 96, to be complete in FY 03.</p> <p>Digital Photo Lab Phase I includes one hard-mounted electronic work station, one portable backup workstation, one high capacity digital printer, three digital hand-held cameras, and the software to run this equipment. Digital Photo Lab Phase II adds DPL Phase II workstations (comprised of two hard-mounted electronic work stations and one portable backup workstation), one large format digital printer, one high resolution printer, a LAN server to tie them together, eight digital color cameras, and some miscellaneous small equipments/software required to tie Phase I and Phase II labs together. Phase I equipment installations were completed in CY 95, Phase II is funded from FY 95 through FY 03.</p>								

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WEAPONS SYSTEM COST ANALYSIS P-5									DATE: FEB 1997	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA 3 - AVIATION SUPPORT EQUIPMENT				P-1 ITEM NOMENCLATURE/SUBHEAD OTHER PHOTOGRAPHIC EQUIPMENT Y3SX						
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
SX008	PHOTO EQUIPMENT UNDER \$100K	A		142		159		11		11
SX019	DIGITAL COLOR PRINTER *	A	2	132	5	136		0		0
SX020	ELECTRONIC WORKSTATION SYSTEM **	A	1	136	1	140	2	280	2	280
SX021	DIGITAL SLR COLOR CAMERA	A		0		0	10	266	11	285
SX830	PRODUCTION ENGINEERING & LOGISTICS SUPPORT	A		49		130		94		65
SX900	INSTALLATION (NON-FMP)	A		250		147		154		318
* FY 97 represents Laser Master large format printer procurement. ** Quantities reflect one complete system comprised of 2 hardmounted workstations, 1 portable backup workstation, 1 LAN server, and peripherals.										
TOTAL				709		712		805		959

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)								A. DATE FEB 1997		
B. APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA 3 - AVIATION SUPPORT EQUIPMENT				C. P-1 ITEM NOMENCLATURE OTHER PHOTOGRAPHIC EQUIPMENT				SUBHEAD Y3SX		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
DIGITAL COLOR PRINTER										
FY 1996	XEROX, McClean, VA	C/MIPR/FP	NRAD, PHILA	Jun-96	Sep-96	2	66.0	YES	NO	N/A
FY 1997	TBD	C/MIPR/FP	NRAD, PHILA	Jun-97	Sep-97	5	27.2	YES	NO	N/A
ELECTRONIC WORK- STATION SYSTEMS										
FY 1996	TBD	C/MIPR/FP	NRAD, PHILA	Jun-96	Sep-96	1 *	136.0	YES	NO	N/A
FY 1997	TBD	C/MIPR/FP	NRAD, PHILA	Jun-97	Sep-97	1 *	140.0	YES	NO	N/A
FY 1998	TBD	C/MIPR/FP	NRAD, PHILA	Jun-98	Sep-98	2	140.0	YES	NO	N/A
FY 1999	TBD	C/MIPR/FP	NRAD, PHILA	Jun-99	Sep-99	2	140.0	YES	NO	N/A
DIGITAL SLR COLOR CAMERA										
FY 1998	TBD	C/MIPR/FP	NRAD, PHILA	Jun-98	Sep-98	10	26.6	YES	NO	N/A
FY 1999	TBD	C/MIPR/FP	NRAD, PHILA	Jun-99	Sep-99	11	25.9	YES	NO	N/A
D. REMARKS										
* Unit costs vary due to system comprising various equipment.										

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MODIFICATION INSTALLATION SUMMARY (EXHIBIT P-3N) (TOA, Dollars in Millions)							DATE FEB 1997		
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA 3 - AVIATION SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE OTHER PHOTOGRAPHIC EQUIPMENT				
System/Modification	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	TOTAL
Digital Photo Lab/Installation DPL Phase II	0.3	0.1	0.2	0.3	0.3	0.2	0.2	0.2	1.8
TOTAL	0.3	0.1	0.2	0.3	0.3	0.2	0.2	0.2	1.8

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P3A (Continued) INDIVIDUAL MODIFICATION (Continued)

MODIFICATION TITLE: DIGITAL PHOTO LAB (PHASE II)

INSTALLATION SCHEDULE:

INPUT ==>	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
FY 1996 & Prior	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
FY 1997	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
FY 1998	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
FY 1999	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
FY 2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
FY 2001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
FY 2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
FY 2003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
TO COMPLETE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
																TOTAL INPUT												12			

OUTPUT ==>	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
FY 1996 & Prior	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
FY 1997	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
FY 1998	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
FY 1999	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
FY 2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
FY 2001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
FY 2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
FY 2003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
TO COMPLETE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
																TOTAL OUTPUT												12			

P-3A

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REQUIREMENTS STUDY - NOT-INSTALLED NONCONSUMABLES P-23B								DATE February 1997	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY				P-1 ITEM NOMENCLATURE OTHER PHOTOGRAPHIC EQUIPMENT					
ITEM/PROJECT UNIT	TOTAL I0 / REQUIREMENT	QUANTITY ON HAND & NOT IN USE	QUANTITY IN USE	QUANTITY DUE IN WITH FY 96 & PRIOR FUNDS	QUANTITY DUE IN WITH FY 97 PROGRAM FUNDS	PLANNED BUDGET YEAR PROCUREMENT FY 98	PLANNED BUDGET YEAR PROCUREMENT FY 99	BALANCE	PHASING RATIONALE
DIGITAL COLOR PRINTER	52	2	40	0	5	0	0	5	FISCAL CONSTRAINTS
ELECTRONIC WORKSTATION SYSTEMS	13	1	3	0	1	2	2	4	OUTYEAR FUNDING
DIGITAL SLR COLOR CAMERA	168 *	0	60	0	0	10	11	87	OUTYEAR FUNDING
MEMO ENTRIES									
COST CODE: SX019		SX020		SX021 (PHASE II)		* 60 DIGITAL SLR COLOR CAMERAS WERE PURCHASED FOR PHASE I AND HAVE ALREADY BEEN INSTALLED.			
DIGITAL COLOR PRINTER		ELECTRONIC W/S SYSTEM		DIGITAL SLR COLOR CAMERA					
CV-63 CV-64 CV-67		CV-63		CV-63					
CVN-65 CVN-69 CVN-70		CV-64 CV-67 CVN-74		CV-64 CV-67 CVN-74					
CVN-71 CVN-72 CVN-73		CVN-65 CVN-69 CVN-70		CVN-65 CVN-69 CVN-70		PHASE I 60			
CVN-74		CVN-71 CVN-72 CVN-73		CVN-71 CVN-72 CVN-73		<u>PHASE II 108</u>			
CVs 40		CVs 10		CVs 80		TOTAL 168			
CNET PNCLA 4		CNET PNCLA 1		CNET PNCLA 8					
CFA 4		CFA 1		CFA 8					
NIMTC 4		NIMTC 1		NIMTC 8					
TOTAL 52		TOTAL 13		SPARES 4					
				TOTAL 108 *					

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BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: FEBRUARY 1997			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 AVIATION SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE AVIATION LIFE SUPPORT SYSTEMS			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	\$15.2	\$13.5	\$15.3	\$27.8	\$26.5	\$29.4	\$30.0	\$30.7
<p>This account provides for the acquisition, upgrade and production support of aviation life support systems required for the personal safety and protection of aircrew against the hazards encountered in the aircraft operating environment and for safe recovery of downed aircrew.</p> <p>PRC-125 - SY010 -A Search and Rescue Wet Swimmer's Radio that provides a hands-off communications link to the Rescue helicopter. IO is 1,180. Procurements are planned in FY 98 and FY99. 785 radios were procured in prior years.</p> <p>SURVIVAL RADIO - SY030 -The next generation non-combat survival radio which will replace the PRC-90 and PRC-90-2. IO is 20,000. Procurement commences in FY 98.</p> <p>PRC-112 P3I (GPS) - SY045 -Survival system upgrade to provide rapid, line-of-sight, two-way Global Positioning system (GPS) data communication capability with a survivor using a modified AN/PRC-112 Radio Set (Aircrew Survival Radio). OSD INTEREST PROGRAM. IO is 1,000. Procurement in FY 95 & 96.</p> <p>PRC-112 P3I (GPS) INTERROGATOR - SY046 -Portable interrogator equipment to send, receive and decipher data burst information from the AN/PRC-112P3I (GPS) Radio. IO is 12. Procurement occurred in FY 96.</p> <p>PRC-112 UPGRADES - SY048 -Upgrades to correct operational deficiencies identified in the basic PRC-112 Survival Radio. IO is 3,676. Procurement commences in FY 97.</p>								

P-1 SHOPPING LIST

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BUDGET ITEM JUSTIFICATION SHEET P-40		DATE: FEBRUARY 1997
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 AVIATION SUPPORT EQUIPMENT	P-1 ITEM NOMENCLATURE AVIATION LIFE SUPPORT SYSTEMS	
<p>COMBAT SURVIVOR EVADER LOCATOR - SY060 -(Joint Program, Air Force lead) A satellite and communications interface system that will be used by forward deployed aircrews for geopositioning and communications relay. IO is 9,000. Procurement of this new item commences in FY 98.</p> <p>LASER EYE PROTECTION-SY080 -(Joint Program, Navy lead) Laser Eye Protection which is both day and night capable and compatible with new TACAIR and helicopter helmets to protect against existing and projected laser threats. IO is 7,800. Procurement commences in FY 97.</p> <p>CWU-60/P-SY100 -An exposure suit for Carrier On-Board Delivery/Vertical On-Board Delivery (COD/VOD) aircrew. IO is 4,350. Procurements are planned in FY 96 through FY 99.</p> <p>HELICOPTER EMERGENCY EGRESS DEVICE P3I(HEED P3I)-SY110 -An improved and smaller device than the current HEED. Provides improved performance, reliability, maintainability, and compatibility with aircrew life support and personal protective equipment. IO is 6,000. Procurements are planned in FY 96 and FY 97.</p> <p>AIRCREW INTEGRATED SURVIVAL/ARMOR PROTECTION (AISAP)-SY120. -An optimized vest/armor system with modularity for the mission specific requirements of combat helicopter aircrews. IO is 3,568. Procurements are planned in FY 96 through FY 98</p>		

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BUDGET ITEM JUSTIFICATION SHEET P-40		DATE: FEBRUARY 1997
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 AVIATION SUPPORT EQUIPMENT	P-1 ITEM NOMENCLATURE AVIATION LIFE SUPPORT SYSTEMS	
<p>PASSENGER AND TROOP SURVIVAL SYSTEM (PATSS)-SY130 -A system developed to provide personal flotation that is compatible with other protective, survival and combat equipment. IO is 8,652. Procurements are planned in FY 96 through FY 99.</p> <p>PASSENGER ANTI-EXPOSURE SURVIVAL SYSTEM (PAESS)-SY140 -Provides an easily donned reusable anti-exposure system which will prolong survival time in cold water and increase chances of a successful rescue at sea for passengers. IO is 2,100. Procurements are planned in FY 96 and FY 97.</p> <p>EXTREME COLD WEATHER SURVIVAL KITS-SY145 -The kit supplements the items in the survival vest and the life rafts for extreme cold weather land survival. IO is 147. Procurement commenced in FY 96.</p> <p>MINI-RAFT BACK PACK-SY150 -Constant wear emergency flotation platform for helicopter aircrewman. IO is 5,900. Procurements commenced in FY 96.</p> <p>NAVY COMBAT EDGE-SY170 -This is a Congressional interest program. An integrated aircrew flight ensemble which provides significant G protection by An extended coverage lower anti-G garment used with regulated positive pressure breathing balanced by an upper torso counterpressure vest. This system is an adaptation to the USAF Combat Edge system to make it compatible with USN/USMC aircraft and aircrews. IO is 1,821. Procurements are planned in FY 96 through FY 99.</p>		

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BUDGET ITEM JUSTIFICATION SHEET P-40		DATE: FEBRUARY 1997
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 AVIATION SUPPORT EQUIPMENT	P-1 ITEM NOMENCLATURE AVIATION LIFE SUPPORT SYSTEMS	
<p>AMELIA-SY175 -This is a Congressional interest program. An integrated aircrew flight ensemble which provides small and large aviators, including females, with new and/or upgraded systems to ensure safe and effective performance in Naval aircraft. IO is 1,200. Procurements commence in FY 98.</p> <p>AIRCREW COOLING-SY180 -A micro climatic cooling system worn by NAVY/USMC Aircrew operating with a chemical biological respiratory system. IO is 7,787. Procurement commences in FY 99.</p> <p>NIGHT VISION DEVICES -SY210 -Night Vision Devices (NVD) are used by Rotary Wing, Fixed Wing, and TACAIR platforms as a situational awareness enhancement for Night operations and are critical to mission success. IO is 1,000, Procurement of this item commences in FY 97. Included in the initial FY 97 procurement is peculiar support equipment.</p> <p>LOW PROFILE FLOTATION COLLAR-SY220. -A flotation device for aircrews that is less bulky and better integrates with existing life support equipment aircrew stations. IO is 10,700. Procurement of this item commences in FY 97.</p>		

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WEAPONS SYSTEM COST ANALYSIS									DATE:		
P-5									FEBRUARY 1997		
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE/SUBHEAD							
Other Procurement, Navy				AVIATION LIFE SUPPORT SYSTEMS 43SY							
BA 3 AVIATION SUPPORT EQUIPMENT											
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS								
			FY 1996		FY 1997		FY 1998		FY 1999		
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	
SY010	PRC-125	A		0	0	0	198	396	197	394	
SY030	SURVIVAL RADIO	B		0		0	250	300	600	630	
SY045	PRC-112 P3I (GPS)	A	500	4,563		0		0		0	
SY046	PRC-112 P3I (GPS) INTERROGATOR	A	12	595		0		0		0	
SY048	PRC-112 UPGRADES	A		0	1,838	551	1,838	551		0	
SY060	COMBAT SURVIVOR EVADER LOCATOR	B		0		0	595	4,165	2,340	13,338	
SY080	LASER EYE PROTECTION	B		0	1,500	500	636	700	1,000	1,000	
SY100	CWU-60/P	A	794	556	1,435	1,004	1,060	742	1,061	743	
SY110	HEED P3I	A	4,500	1,142	1,500	1,180		0		0	
SY120	AISAP (BODY ARMOR)	A	1,000	1,220	865	1,072	853	1,058		0	
SY130	PATSS	A	1,687	277	2,551	638	2,551	638	1,863	522	
SY140	PAESS	A	1,000	682	650	553		0		0	
SY145	EXTREME COLD WEATHER SURVIVAL KIT	A	147	301		0		0		0	
SY150	MINI-RAFT BACKPACK	A	400	272	660	363	1,475	590	1,475	590	
SY170	NAVY COMBAT EDGE	B	284	1,136	219	876	430	1,720	409	1,636	
SY175	AMELIA	A		0	0	0	500	425	400	300	
SY180	AIRCREW COOLING	B		0		0		0	417	500	
SY210	NIGHT VISION DEVICES	A	0	0	248	1,882	216	1,566	536	3,670	
SY220	LOW PROFILE FLOTATION COLLAR	A		0	1,500	500	1,465	498	2,500	900	
SY830	PRODUCTION SUPPORT SERVICES			4,453		4,334		1,996		3,547	
				15,197		13,453		15,345		27,770	

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)								A. DATE FEBRUARY 1997		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT				C. P-1 ITEM NOMENCLATURE AVIATION LIFE SUPPORT SYSTEMS				SUBHEAD 43SY		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
SY010 PRC-125 FY-1998 FY-1999	TBD TBD	COMP/FFP OPTION	NICP, PHIL NICP, PHIL	06/98 02/99	06/99 02/00	198 197	2,000.0 2,000.0	YES	YES	11/96
SY030 SURVIVAL RADIO FY-1998 FY-1999	TBD TBD	COMP/FFP OPTION	NAWC PAX	05/98 02/99	05/99 02/00	250 600	1,200.0 1,050.0	NO	N/A	N/A
SY045 PRC-112 P3I (GPS) FY-1995 FY-1996	MOTOROLA TBD	SS COMP/FFP	USAF LA AFB NAWC PAX	08/95 04/97	08/96 10/97	500 500	7,010.0 9,126.0	YES YES	N/A N/A	N/A N/A
SY046 PRC-112 P3I (GPS) INTERROGATOR FY-1996	MOTOROLA,SCOTTSDALE, AZ	COMP/FFP	USAF LA AFB	08/96	01/97	12	49,583.0	YES	N/A	N/A
SY048 PRC-112 UPGRADES FY-1997 FY-1998	US ARMY, TOBYHANNA US ARMY, TOBYHANNA	TBD OPTION	NAWC INDY	05/97 05/98	05/98 05/99	1,838 1,838	300.0 300.0	YES	YES	12/96
SY060 COMBAT SURVIVOR EVADER LOCATOR FY-1998 FY-1999	BOEING BOEING	COMP/FFP OPTION	USAF USAF	05/98 01/99	01/99 09/99	595 2,340	7,000.0 5,700.0	NO	N/A	N/A
SY080 LASER EYE PROTECTION FY-1997 FY-1998 FY-1999	KAISER, CA (SPECS) AOTEC, MASS (VISORS) TBD	COMP/FFP COMPT/FFP OPTION	TBD TBD	03/97 06/98 01/99	12/97 03/99 10/99	1,500 636 1,000	333.0 1,100.0 1,000.0	NO, SEP 96 NO	NO N/A	N/A N/A
D. REMARKS SY045 -- FY 95 is Joint radio, procured via USAF, FY 96 is competitive radio procured by Navy. SY046 -- FY96 Procurement includes special cabling. SY080 -- FY 97 Procurement is for LASER spectacles, FY 98-99 is for LASER visors.										

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)								A. DATE FEBRUARY 1997		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT				C. P-1 ITEM NOMENCLATURE AVIATION LIFE SUPPORT SYSTEMS				SUBHEAD 43SY		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
SY100 CWU-60/P FY-1996 FY-1997 FY-1998 FY-1999	MUSTANG, WA MUSTANG, WA MUSTANG, WA MUSTANG, WA	COMP/FFP FFP/OPTION FFP/OPTION FFP/OPTION	NICP PHIL NICP PHIL NICP PHIL NICP PHIL	11/96 02/97 01/98 10/98	05/97 9/97 09/98 6/99	794 1,435 1,060 1,061	700.0 700.0 700.0 700.0	YES	NO	N/A
SY110 HEED P3I FY-1996 FY-1997	US DIVERS/AQUA-LUNG, CA	COMP/FFP FFP/OPTION	NAWCAD NAWCAD	07/96 03/97	05/97 4/98	4,500 1,500	254.0 254.0	YES	NO	N/A
SY120 AISAP (ARMOR) FY-1996 FY-1997 FY-1998	TBD TBD TBD	COMP/FFP COMP/FFP FFP/OPTION	NAWCAD DPSC DPSC	09/96 04/97 01/98	05/97 12/97 09/98	1,000 865 853	1,220.0 1,239.0 1,240.0	YES	NO	N/A
SY130 PATSS FY-1996 FY-1997 FY-1998 FY-1999	SWITLIK, NJ TBD TBD TBD	COMP/FFP COMP/FFP FFP/OPTION FFP/OPTION	NICP PHIL NICP, PHIL NICP, PHIL NICP, PHIL	09/96 03/97 03/98 03/99	06/97 12/97 12/98 12/99	1,687 2,551 2,551 1,863	164.0 250.0 250.0 280.0	YES	NO	N/A
SY140 PAESS FY-1996 FY-1997	TBD TBD	COMP/FFP COMP/FFP	NICP, PHIL DPSC, PHIL	2/97 5/97	9/97 02/98	1,000 650	682.0 850.0	YES	NO	N/A
SY145 EX. COLD WEATHER KIT FY-1996	EXPLORATION PRODUCTS, WA	COMP/FFP	NICP, PHIL	11/96	01/97	147	2,045.0	YES	NO	N/A
SY150 MINI-RAFT BACKPACK FY-1996 FY-1997 FY-1998 FY-1999	PATTEN, FL TBD TBD TBD	COMP/FFP COMP/FFP OPTION OPTION	NICP, PHIL NICP, PHIL NICP, PHIL NICP, PHIL	09/96 01/97 01/98 01/99	06/97 10/97 10/98 10/99	400 660 1,475 1,475	680.0 550.0 400.0 400.0	YES	NO	N/A
D. REMARKS SY110 -- FY97 PROCUREMENT INCLUDES \$800K FOR SUPPORT EQUIPMENT. SY120 -- FIRST YEAR PROCUREMENT IS A SOLE SOURCE PROCUREMENT THROUGH GSA TO SATISFY AN URGENT USMC REQUIREMENT. FOLLOW-ON PROCUREMENTS WILL BE COMPETITIVE. SY140 -- FY95 EFFORT MODIFIES EXISTING ASO ASSETS BY NAVY IMA's, FY96 EFFORT MODIFIES EXISTING ASO ASSETS BY AN INDEPENDENT CONTRACTOR, FY97 EFFORT BUYS NEW SYSTEMS WITH A NAVY DATA PACKAGE.										

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE FEBRUARY 1997	
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT				C. P-1 ITEM NOMENCLATURE AVIATION LIFE SUPPORT SYSTEMS				SUBHEAD 43SY		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
SY170 NAVY COMBAT EDGE FY-1996 FY-1997 FY-1998 FY-1999	TBD TBD TBD TBD	COMP/FFP OPTION OPTION OPTION	USAF/NICP PHIL USAF/NICP PHIL USAF/NICP PHIL USAF/NICP PHIL	4/97 4/97 01/98 01/99	1/98 7/98 12/98 11/99	284 219 430 409	4,000.0 4,000.0 4,000.0 4,000.0	YES	NO	N/A
SY175 AMELIA FY-1998 FY-1999	TBD TBD	COMP/FFP COMP/FFP	NICP PHIL NICP PHIL	11/97 6/99	11/98 6/00	500 400	850.0 750.0	NO	NO	N/A
SY180 AIRCREW COOLING FY-1999	TBD	COMP/FFP	TBD	04/99	04/00	417	1,200.0			
SY210 NIGHT VISION DEVICES FY-1997 FY-1998 FY-1999	ITT,ROANOKE, VA ITT,ROANOKE, VA ITT,ROANOKE, VA	COMP/OPTION COMP/OPTION COMP/OPTION	US ARMY US ARMY US ARMY	01/97 01/98 01/99	07/97 07/98 07/99	248 216 536	7,185.0 7,250.0 6,847.0	YES	NO	N/A
SY220 LOW PROFILE FLOT. COLLAR FY-1997 FY-1998 FY-1999	SEI, N.C. SEI, N.C. SEI, N.C.	COMPT/FFP OPTION OPTION	NAWC CHINA LAKE NAWC CHINA LAKE NAWC CHINA LAKE	2/97 01/98 01/99	2/98 2/99 2/00	1,500 1,465 2,500	333.0 340.0 360.0	NO	NO	N/A
D. REMARKS SY210 -- FY 97 total cost includes \$100K for procurement of 50 test sets.										

FY 1998/99 BUDGET PRODUCTION SCHEDULE					P-1 ITEM NOMENCLATURE																	DATE									
					AVIATION LIFE SUPPORT SYSTEMS																	FEBRUARY 1997									
ITEM / MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT	BAL. DUE AS OF 1 OCT	FISCAL YEAR 1996													FISCAL YEAR 1997													L A T E R
					1995			CALENDAR YEAR 1996										CALENDAR YEAR 1997													
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
SY010-PRC-125																															
FY 1998		198	0	198																									198		
FY 1999		197	0	197																									197		
SY045-PRC-112 P3I(GPS)																															
FY 1996		500	0	500																									500		
SY046-PRC-112 P3I(GPS)INTER.																															
FY 1996		12	0	12																									0		
SY048-PRC-112 UPGRADES																															
FY 1997		1838	0	1838																									1838		
FY 1998		1838	0	1838																									1838		
SY080 - LASER EYE PROTECTION																															
FY 1997		1500	0	1500																									1500		
FY 1998		636	0	636																									636		
FY 1999		1000	0	1000																									1000		
SY100 - CWU-60/P																															
FY 1996		794	0	794																									0		
FY 1997		1435	0	1435																									1315		
FY 1998		1060	0	1060																									1060		
FY 1999		1061	0	1061																									1061		
TOTAL	0	12069	0	12069	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11143			
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES			RCH'D	PROCUREMENT LEAD TIME													REMARKS													
	MINIMUM SUST.	1-8-5	MAXIMUM	D +																											
PRC-112:MOTOROLA, ARIZONA	40	100	200																												
PRC-112P3I(GPS:MOTOROLA, ARIZONA	40	166	200																												
PRC-112P3I(GPS)INT; MOTOROLA, ARIZ	1	2	20																												
CB UPGRADE: MEGGITT OXYGEN, U.K	10	150	250																												
LASER EYE PROTECTION: KAISER, CA	25	50	400																												
CWU-60/P: MUSTANG, WASHINGTON	50	150	300																												
					REORDER (Previous Source)																										

FY 1998/99 BUDGET PRODUCTION SCHEDULE					P-1 ITEM NOMENCLATURE															DATE														
					AVIATION LIFE SUPPORT SYSTEMS															FEBRUARY 1997														
ITEM / MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT	BAL. DUE AS OF 1 OCT	FISCAL YEAR 1996										FISCAL YEAR 1997										L A T E R									
					1995			CALENDAR YEAR 1996							CALENDAR YEAR 1997																			
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G	S E P					
SY110-HEED P3I																																		
FY 1996		4500	0	4500											A												375	375	2625					
FY 1997		1500	0	1500															A									1500						
SY120-AISAP(ARMOR)																																		
FY 1996		1000	0	1000												A												0						
FY 1997		865	0	865																A								865						
FY 1998		853	0	853																								853						
SY130-PATSS																																		
FY 1996		1687	0	1687												A												563						
FY 1997		2551	0	2551																A								2551						
FY 1998		2551	0	2551																								2551						
FY 1999		1863	0	1863																								1863						
SY140-PAESS																																		
FY 1996		1000	0	1000																A							200	800						
FY 1997		650	0	650																								650						
SY145-EXTREME COLD WEATHER KIT																																		
FY 1996		147	0	147														A			25	25	25					0						
SY150-MINI-RAFT BACKPACK																																		
FY 1996		400	0	400																								0						
FY 1997		660	0	660																								660						
FY 1998		1475	0	1475																A								1475						
FY 1999		1475	0	1475																								1475						
TOTAL	0	23177	0	23177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25	25	600	978	956	956	18431						
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						
MANUFACTURER'S NAME AND LOCATION	MINIMUM SUST.	1-8-5	MAXIMUM	RCH'D D +	PROCUREMENT LEAD TIME										REMARKS																			
HEED P3I, US DIVERS/AQUA LUNG, CA	50	331	500		INITIAL REORDER (Previous Source)										ADMIN LEAD TIME		MANU- FACTURING TIME		TOTAL AFTER 1 OCT		ALL PRODUCTION SCHEDULES ARE SUBJECT TO CONTRACT AWARD TERMS.													
AISAP TBD	50	100	250												PRIOR 1 OCT		AFTER 1 OCT																	
PATSS, SWITLIK, NJ	50	250	500												0		3		12												15			
PAESS TBD	50	100	225																															
EXTREME COLD WX KIT, EXPLOR.PROD.,WA	5	200	250																															
MINI-RAFT, PATTEN, FL	50	100	300																															

FY 1998/99 BUDGET PRODUCTION SCHEDULE					P-1 ITEM NOMENCLATURE																			DATE					
					AVIATION LIFE SUPPORT SYSTEMS																			FEBRUARY 1997					
ITEM / MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT	BAL. DUE AS OF 1 OCT	FISCAL YEAR 1996												FISCAL YEAR 1997												L A T E R
					1995			CALENDAR YEAR 1996												CALENDAR YEAR 1997									
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
SY175-AMELIA																													
FY 1998		500	0	500																							500		
FY 1999		400	0	400																							400		
SY170-NAVY COMBAT EDGE																													
FY 1966		284	0	284																	A					284			
FY 1997		219	0	219																A						219			
FY 1998		430	0	430																						430			
FY 1999		409	0	409																						409			
SY210-NVDS																													
FY-1997		248	0	248														A					21	21	21	185			
FY-1998		216	0	216																						216			
FY-1999		536	0	536																						536			
SY180-AIRCREW COOLING																													
FY 1999		417	0	417																						417			
SY220 LOW PROFILE FL.CLR																													
FY 1997		1500	0	1500															A							1500			
FY 1998		1465	0	1465																						1465			
FY 1999		2500	0	2500																						2500			
TOTAL	0	9124	0	9124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21	21	21	9061			
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES			RCH'D	PROCUREMENT LEAD TIME												REMARKS												
	MINIMUM SUST.	1-8-5	MAXIMUM	D +	<div>ADMIN LEAD TIME</div> <div>PRIOR 1 OCT AFTER 1 OCT</div> <div>0 3</div> <div>MANU-FACTURING TIME</div> <div>12</div> <div>TOTAL AFTER 1 OCT</div> <div>15</div>												ALL PRODUCTION SCHEDULES ARE SUBJECT TO CONTRACT AWARD TERMS.												
NAVY COMBAT EDGE TBD	50	75	200																										
AMELIA TBD	50	50	300																										
LOW PROFILE FL. CLR., SEI., N.C.	50	220	300																										
					REORDER (Previous Source)																								

DD Form 2445, JUL 87	Previous editions are obsolete	P-1 SHOPPING LIST	ITEM NO. 138	PAGE NO. 12 OF 14	Page of Pages
311/244	4-70				Exhibit P-21 Production Schedule

FY 1998/99 BUDGET PRODUCTION SCHEDULE													P-1 ITEM NOMENCLATURE												DATE														
													AVIATION LIFE SUPPORT SYSTEMS												FEBRUARY 1997														
ITEM/MANUFACTURER/ PROCUREMENT YEAR	FISCAL YEAR 1998												FISCAL YEAR 1999												FISCAL YEAR 2000												L A T E R		
	1997			CALENDAR YEAR 1998									CALENDAR YEAR 1999									CALENDAR YEAR 2000																	
	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
SY140-PAESS																																							
FY 1996	200	200	200	200																																			
FY 1997					65	65	65	65	65	65	65	65	65	65																								0	
SY150-MINI-RAFT																																							
FY 1997	55	55	55	55	55	55	55	55	55	55	55	55																										0	
FY 1998				A									123	123	123	123	123	123	123	123	123	123	123	122														0	
FY 1999																A									123	123	123	123	123	123	123	123	123	123	123	122		0	
SY170-NCE																																							
FY 1996				47	47	47	47	47	49																														
FY 1997										44	44	44	44	43																							0		
FY 1998				A											40										30												0		
FY 1999																A	40	40	40	40	40	40	40	40	30	50	50	50	50	50	50	54	55				0		
SY175-AMELIA																																							
FY 1998		A											42	42																						0			
FY 1999																																		60	60	60	60	160	
SY180-AIRCREW COOLING																																							
FY-1999																			A														83	83	83	84	84		0
SY210-NVDS																																							
FY 1997	21	21	21	21	21	21	21	21	17																												0		
FY 1998				A									18	18	18	18	18	18	18	18	18	18	18														0		
FY 1999																A								45	45	45	45	45	45	45	45	45	45	45	41			0	
SY220 LPFC																																							
FY 1997					125	125	125	125	125	125	125	125	125	125	125	125																						0	
FY 1998				A													122	122	122	122	122	122	122	122	122	122	122	123								0			
FY 1999																A																	208	208	208	208	208	836	
TOTAL	276	276	276	323	313	313	313	313	311	307	307	307	375	416	348	348	345	345	345	345	345	345	372	372	371	358	340	340	341	426	426	509	513	570	475	475	390	996	
	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P			
REMARKS																																							
SY175 AMELIA - FY 1997-FY 1998 EACH YEAR IS A DIFFERENT COMMODITY PROCUREMENT.																																							

CLASSIFICATION:

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REQUIREMENTS STUDY - NOT-INSTALLED NONCONSUMABLES P-23B								DATE	FEBRUARY 1997
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy				P-1 ITEM NOMENCLATURE					
B.A. 3 - AVIATION SUPPORT EQUIPMENT				AVIATION LIFE SUPPORT SYSTEMS					
ITEM/PROJECT UNIT	TOTAL I0 / REQUIREMENT	QUANTITY ON HAND & NOT IN USE	QUANTITY ON HAND & IN USE	QUANTITY DUE IN WITH FY 96 & PRIOR FUNDS	QUANTITY DUE IN WITH FY 97 PROGRAM FUNDS	PLANNED BUDGET YEAR PROCUREMENT FY 98	PLANNED BUDGET YEAR PROCUREMENT FY 99	BALANCE	PHASING RATIONALE
SY010 PRC-125	1180	0	785	0	0	198	197	0	FUNDING CONSTRAINTS
SY030 SURVIVAL RADIO	20000	0	0	0	0	250	600	19150	FUNDING CONSTRAINTS
SY045 PRC-112 P3I (GPS)	1000	0	500	500	0	0	0	0	READY FOR PRODUCTION
SY046 PRC-112 P3I(GSI)INTERROGATOR	12	0	0	12	0	0	0	0	READY FOR PRODUCTION
SY048 PRC-112 UPGRADES	3676	0	0	0	1838	1838	0	0	FUNDING CONSTRAINTS
SY060 CSEL	9000	0	0	0	0	595	2340	6065	FUNDING CONSTRAINTS/READY FOR PRODUCTION
SY080 LASER EYE PROTECTION	7800	0	0	0	1500	636	1000	4664	FUNDING CONSTRAINTS/READY FOR PRODUCTION
SY100 CWU 60/P	4350	0	0	794	1435	1060	1061	0	FUNDING CONSTRAINTS
SY110 HEED P3I	6000	0	0	4500	1500	0	0	0	FUNDING CONSTRAINTS/READY FOR PRODUCTION
SY120 AISAP (ARMOR)	3568	0	850	1000	865	853	0	0	FUNDING CONSTRAINTS/READY FOR PRODUCTION
SY130 PATSS	8652	0	0	1687	2551	2551	1863	0	FUNDING CONSTRAINTS
SY140 PAESS	2100	0	450	1000	650	0	0	0	FUNDING CONSTRAINTS
SY145 EX COLD WEATHER SURVIVAL KIT	147	0	0	147	0	0	0	0	FUNDING CONSTRAINTS
SY150 MINI-RFT BACKPACK	5900	0	0	400	660	1475	1475	1890	FUNDING CONSTRAINTS
SY170 NAVY COMBAT EDGE	1821	0	0	284	219	430	409	479	FUNDING CONSTRAINTS/READY FOR PRODUCTION
SY175 AMELIA	1200	0	0	0	0	500	400	300	FUNDING CONSTRAINTS/READY FOR PRODUCTION
SY180 AIRCREW COOLING	7787	0	0	0	0	0	417	7370	FUNDING CONSTRAINTS/READY FOR PRODUCTION
SY210 NVDS	1000	0	0	0	248	216	536	0	FUNDING CONSTRAINTS/READY FOR PRODUCTION
SY220 LOW PROFILE FLOTATION COLLAR	10700	0	0	0	1500	1465	2500	5235	FUNDING CONSTRAINTS/READY FOR PRODUCTION
MEMO ENTRIES									
COST CODE: SY010-PRC-125	COST CODE: SY030-SURVIVAL	COST CODE: SY045-PRC-112P3I		COST CODE: SY046-PRC-112P3I			COST CODE: SY048-PRC-112 UPGRADES		
Tycoms/Squadron 1,180	Radio	(GPS) Radio		(GPS) INTERROGATOR					
	Tycoms/Squadron 20,000	Tycoms/Squadron 1,000		Tycoms/Squadron 12			Tycoms/Squadron 3,676		
COST CODE: SY060-CSEL	COST CODE: SY080-Laser Eye	COST CODE: SY100-CWU-60/P		COST CODE: SY110-HEED P3I					
	Protection								
Tycoms/Squadron 9,000	Tycoms/Squadron 7,800	Tycoms/Squadron 4,350		Tycoms/Squadron 6,000					
COST CODE: SY120-AISAP	COST CODE: SY130-PATSS	COST CODE: SY140-PAESS		COST CODE SY145-Extreme Cold			COST CODE : SY 150-MINI-RAFT BACKPACK		
ARMOR				Weather Survival Kit					
Tycoms/Squadron 3,568	Tycoms/Squadron 8,652	Tycoms/Squadron 2,100		Tycoms/Squadron 147			Tycoms/Squadron 5,900		
COST CODE: SY170-Navy Combat Edge	COST CODE: SY175-AMELIA	COST CODE: SY180-AIRCREW		COST CODE SY210 - NVDS			COST CODE SY220 - LPFC		
		COOLING							
Tycoms/Squadron 1,821	Tycoms/Squadron 1,200	Tycoms/Squadron 7,787		Tycoms/Squadron 1,000			Tycoms/Squadron 10,700		

P-1 SHOPPING LIST

CLASSIFICATION:

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UNCLASSIFIED

CLASSIFICATION UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET					DATE: February 1997			
P-40								
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3: NAVY/AVIATION SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE AIRBORNE MINE COUNTERMEASURES SUBHEAD: 73S0 LI: 424800			
	1996	1997	1998	1999	2000	2001	2002	2003
QUANTITY								
COST (In Millions)								
	\$22.7	\$13.2	\$20.2	\$28.0	\$50.9	\$63.2	\$64.6	\$59.2
<p>ITEM DESCRIPTION/JUSTIFICATION:</p> <p>Airborne Mine Countermeasures (AMCM) Equipment is used by MH-53E helicopters to counter the threat of sea mines. The equipment is divided into two broad categories, minesweeping and minehunting; (1) minesweeping is performed by mechanical or influence sweeps. In mechanical sweeping, the mine mooring is severed by the sweep gear allowing the mine to float to the surface where it is destroyed. In influence sweeping, a magnetic or acoustic field which simulates the magnetic/acoustic signature of a ship is introduced into the water. This field causes the mine mechanism to actuate. (2) In mine hunting the object is to actually locate and classify, mark, or neutralize the mine, usually by means of high resolution sonar. AMCM squadrons currently have capability in mechanical, magnetic, and acoustic sweeping, mine surveillance and marking. Its mission is to locate, classify and neutralize moored and bottom mines.</p> <p>S0020 - The funds provided are for the modification of systems to accommodate replacement of subsystems/components because of obsolescence. ECPs are analyzed, prioritized and screened to accommodate replacement of subsystems/components.</p> <p>S0060 - The funds provided was for the procurement of the A/N37U-1 Mechanical Minesweeping Systems. Thirty-four systems are to be procured at an estimated total cost of \$14M. 25 units procured in FY96 and prior. 9 units to be procured in FY97.</p> <p>S0061 - The MK-105 magnetic minesweeping system is a hydrofoil platform that carries a turbo-generator power pack and is towed by a MH-53E helicopter, allowing for safe, high speed sweeping of course magnetic influence mines at twice the output of the current MK-105. Technological upgrade increases supportability, reliability and maintainability (R&M), and increases operational effectiveness. ECPs are analyzed, prioritized and screened to accommodate replacement of subsystems/components because of obsolescence. Funding is designated in all fiscal years for this effort. Twenty units are to be procured at an estimated total cost of \$87.8M. Three units are included in the FY96 budget year, with 17 units to be procured in subsequent years.</p> <p>S0062 - AN/AQS-14A - Is a digital upgrade to the electronics used in the airborne console of the Q-14 console in the fleet since 1984. This upgrade is driven by parts obsolescence and improved technology as well as performance requirements. Funding is provided in FY 97 and 98.</p>								

P-1 SHOPPING LIST

CLASSIFICATION:

CLASSIFICATION UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40		DATE: February 1997
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3: NAVY/AVIATION SUPPORT EQUIPMENT		P-1 ITEM NOMENCLATURE AIRBORNE MINE COUNTERMEASURES SUBHEAD: 73S0 LI: 424800
ITEM DESCRIPTION/JUSTIFICATION: (Cont'd) S0063 - Magnetic Cable - Is a new magnetic sweep away with an extended operational life, capable of handling twice the current while maintaining cable diameter and bend radius in order to use existing support equipment. Funding is provided to procure 25 cables for an estimated total cost of \$3M. S0065 - Airborne Mine Neutralization System (AMNSYS) will provide neutralization of botton and moored mines using an airborne delivered, expendable mine neutralization device. Funding is provided to procure 33 systems at an estimated total cost of \$40,9M. S0066 - C4I - The funding provided in FY98 and FY99 is to purchase upgraded NDI equipment to provide the initial C4I capability at an estimated total cost of \$4.5M. S0068 - Funding is procurement of telecommunications equipment for the Mobile Operations Center in support of C4I capability.		

CLASSIFICATION: **UNCLASSIFIED**

WEAPON SYSTEM COST ANALYSIS EXHIBIT P-5									DATE: February 1997	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3: NAVY AVIATION SUPPORT EQUIPMENT				P-1 ITEM NOMENCLATURE/SUBHEAD AIRBORNE MINE COUNTERMEASURES/73S0						
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
S0020	MODIFICATION	A		1,067		364		97		499
S0060	A/N37U-1 MECH MINESWEEPING	A	6	3,447	9	4,520				
S0061	<u>MK-105 UPGRADE</u>	A	3	14,725			2	8,600	4	17,200
	PUBLICATIONS/TECHNICAL DATA					2,600				200
	PRODUCTION SUPPORT - TRAINING							1,500		0
	STRUTS - NON-RECURRING							900		0
	STRUTS - RECURRING									2,600
	SUPPORT EQUIPMENT					2,000		2,900		0
	S0061 TOTAL			14,725		4,600		13,900		20,000
S0062	<u>AN/AQS-14A KITS</u>	A	4	1,800	6	2,700	6	2,700	6	2,700
	PUBLICATIONS/TECHNICAL DATA			100		200		200		
	SPARES			100		500		500		
	SUPPORT EQUIPMENT			100		300		300		
	PRODUCT SUPPORT			100						
	S0062 TOTAL			2,200		3,700		3,700		2,700
S0063	<u>MAGNETIC CABLE</u>	A					12	1,020	13	1,105
	SUPPORT EQUIPMENT							200		75
	PUBLICATIONS/TECHNICAL DATA							200		126
	PRODUCTION SUPPORT - TRAINING							75		0
	S0063 TOTAL							1,495		1,306
S0066	C4I UPGRADES	A		500				1,000		3,500
S0068	MOBILE OPERATIONS CENTER	A		773						
TOTAL				22,712		13,184		20,192		28,005

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT P-5A					DATE February 1997						
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA-3: NAVY/AVIATION SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE AIRBORNE MINE COUNTERMEASURES				SUBHEAD 73S0		
COST CODE	LINE ITEM/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT* COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
S0060	<u>A/N37U-1 MECH MINESWEEPING</u>										
	FY 1996	GSS GROTON, CT	C/FFP	NAVSEA	09/96	09/97	6	575	YES	NO	
	FY 1997	GSS GROTON, CT	OPTION	NAVSEA	11/96	11/97	9	502	YES	NO	
S0061	<u>MK-105 UPGRADE</u>										
	FY 1996	EDO CORP COLLEGE POINT, NY	SS/FFP	NAVSEA	12/95	02/98	1	4,908	NO	NO	
		EDO CORP	SS/FFP	NAVSEA	07/96	06/98	2	4,908	NO	NO	
	FY 1998	EDO CORP	SS/FFP	NAVSEA	12/97	10/99	2	4,300	NO		
	FY 1999	EDO CORP	OPTION	NAVSEA	12/98	10/00	4	4,300	NO		
S0062	<u>AN/AQS-14A KITS</u>										
	FY 1996	NORTHROP-GRUMMAN ANNAPOLIS, MD	SS/FFP	NAVSEA	02/97	10/97	4	450	YES	YES	02/97
	FY 1997	NORTHROP-GRUMMAN	OPTION	NAVSEA	10/96	02/97	6	450	YES	NO	
	FY 1998	NORTHROP-GRUMMAN	OPTION	NAVSEA	10/97	02/98	4	450	YES	NO	
S0063	<u>MAGNETIC CABLE</u>										
	FY 1998	TBD	TBD	NAVSEA	10/97	6/98	12	85	NO		
	FY 1999	TBB	OPTION	NAVSEA	10/98	6/99	13	85	NO		
REMARKS											

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[illegible]

INITIAL	ADMIN LEAD TIME		MANU- FACTURING TIME	TOTAL AFTER 1 OCT
	PRIOR	AFTER		
	1 OCT	1 OCT		
	3	3	12	15
	0	11	12	23

REMARKS

UNCLASSIFIED

[illegible]

INITIAL	ADMIN LEAD TIME		MANU- FACTURING TIME	TOTAL AFTER 1 OCT
	PRIOR	AFTER		
	1 OCT	1 OCT		
	3	3	26	29
	6,6,0,0,0	3,3,3,0,0	26,26,9,0,0	29,29,12,13,18
REORDER (PREVIOUS SOURCE)				

REMARKS

NAVMAT FORM 7110/4 (REVISED 11/77)

26 MONTH DELIVERY - 1ST

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R = PROCUREMENT REQUEST RELEASE

CLASSIFICATION:

22 MONTH DELIVERY- OTHERS

A = CONTRACT AWARD

UNCLASSIFIED

[illegible]

INITIAL	ADMIN LEAD TIME		MANU- FACTURING TIME	TOTAL AFTER 1 OCT
	PRIOR	AFTER		
	1 OCT	1 OCT		
REORDER (PREVIOUS SOURCE)	3	3	4	7
	0	3	4	7

REMARKS

[illegible]

INITIAL REORDER (PREVIOUS SOURCE)	ADMIN			MANU- FACTURING TIME	TOTAL AFTER 1 OCT
	LEAD TIME				
	PRIOR		AFTER		
	1 OCT		1 OCT		
	3		0	7	7
	3		0	7	7

REMARKS

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: February 1997			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - Aviation Support Equipment					P-1 ITEM NOMENCLATURE LAMPS MK III SHIPBOARD EQUIPMENT			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	\$16.1	\$14.9	\$5.8	\$0.0	\$2.5	\$0.0	\$0.0	\$0.0
<p>The Lamps MK III Ship/Air Weapon System is a computer integrated ship/helicopter system that increases the effectiveness of surface combatants.</p> <p>The Weapon System is a multi-appropriation funded program. The OPN-3 program funds the LAMPS shipboard equipment that is to be installed in existing ships being backfitted with the LAMPS MK III Weapon System. Procured under this line are:</p> <ul style="list-style-type: none"> (1) AN/SRQ-4, a shipboard terminal data transmission device (2) HLS (Helicopter Landing System), including Recovery, Assist, Securing and Traversing (RAST) System; the Horizon Reference Set (HRS); and flight Deck Status & Signal System (FDSS) (3) ATS (Alternate Traversing System) replaces the RAST System as an Interim Alternate Traversing System for the SH-60B. ATS consists of a C-130 cargo winch and associated ground handling equipment for straightening and traversing the aircraft under limited sea state conditions. (4) Acoustic Processor DDG-993, a Sonar Signal Processing System (SSPS). <p>The LAMPS MK III Upgrade is comprised of the above equipment and is to be installed aboard DDG 993 USS KIDD class ships.</p> <p>The AN/SRQ-4 is an electronic device which receives electronic surveillance measure, radar video and acoustic data and transmits secure voice, shipboard computer and air navigation data. HLS or ATS is used in the launching and retrieving of LAMPS MK III helicopter from LAMPS ships. The Acoustic Processor accepts acousitc data and selects, records, reproduces, processes and displays the data as controlled by the Acoustic Sensor Operator (ASO).</p> <p>FY 1996 and FY 1997 supports Systems Integration, ILS, Production Engineering and installation of the LAMPS MK III Upgrade (with HLS) aboard ship hulls DDG-993 and DDG-995.</p> <p>FY 1998 supports installation of the LAMPS MK III Upgrade (with ATS) aboard ship hulls DDG-994 and DDG-996.</p> <p>Budget reflects the transfer of design services into the appropriate equipment P-1 line item beginning in FY 1998.</p>								

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WEAPONS SYSTEM COST ANALYSIS									DATE:	
P-5				February 1997						
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE/SUBHEAD						
Other Procurement, Navy				LAMPS MK III SHIPBOARD EQUIPMENT						
BA 3 - Aviation Support Equipment				U3S1						
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
S1005	SYSTEM INTEGRATION			782						
S1800	ILS			100						
S1830	PRODUCTION ENGINEERING/QA/TE			300						
S1900	INSTALLATION OF EQUIPMENT (FMP) DESIGN SERVICE AGENT (FMP)			14,916		14,895		4,752 1,053		
				16,098		14,895		5,805		0

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MODIFICATION INSTALLATION SUMARY (EXHIBIT P-3N) (TOA, Dollars in Millions)							DATE February 1997		
APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Navy BA 3 - Aviation Support Equipment					P-1 ITEM NOMENCLATURE LAMPS MK III SHIPBOARD EQUIPMENT				
System/Modification	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	TOTAL
LAMPS MK III UPGRADE SHIPALT (334)	14.9	14.9	5.8	0.0	0.0	0.0	0.0	0.0	35.6
TOTAL	14.9	14.9	5.8	0.0	0.0	0.0	0.0	0.0	35.6

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P3A	INDIVIDUAL MODIFICATION																				
MODIFICATION TITLE: LAMPS MK III UPGRADE																					
MODELS OF SYSTEM AFFECTED: DDG-993 CLASS SHIPS																					
DESCRIPTION/JUSTIFICATION: The LAMPS MK III UPDATE SHIPALT 334, installs and integrates the LAMPS MK III weapons system on DDG-993, DDG-994, DDG-995 and DDG-996. The LAMPS MK III system is a computer integrated ship-helicopter weapons system that greatly increases the effectiveness of surface combatants and consist of the Acoustic Processor, unique LAMPS MK III data link (AN/SRQ-4), and the Helicopter Landing System or Alternate Traversing System.																					
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: In Production																					
		<u>FY 1996 & Prior</u>		<u>FY 1997</u>		<u>FY 1998</u>		<u>FY 1999</u>		<u>FY 2000</u>		<u>FY 2001</u>		<u>FY 2002</u>		<u>FY 2003</u>		<u>TC</u>		<u>TOTAL</u>	
		QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
<u>FINANCIAL PLAN (IN MILLIONS)</u>																					
<u>RDT&E</u>																					
<u>PROCUREMENT</u>																					
INSTALLATION KITS																					
INSTALLATION KITS NONRECURRING																					
EQUIPMENT																					
EQUIPMENT NONRECURRING																					
ENGINEERING CHANGE ORDERS																					
DATA																					
TRAINING EQUIPMENT																					
SUPPORT EQUIPMENT																					
OTHER																					
INTERIM CONTRACTOR SUPPORT																					
<u>INSTALLATION OF HARDWARE</u>																					
FY 1996 EQUIPMENT & PRIOR																					
FY 1997 EQUIPMENT																					
FY 1998 EQUIPMENT																					
FY 1999 EQUIPMENT																					
FY 2000 EQUIPMENT																					
FY 2001 EQUIPMENT																					
FY 2002 EQUIPMENT																					
FY 2003 EQUIPMENT																					
TO COMPLETE																					
TOTAL INSTALLATION COST																					
TOTAL PROCUREMENT COST																					
TOTAL COST																					
METHOD OF IMPLEMENTATION: ROH/AIT																					
ADMINISTRATIVE LEADTIME: Various PRODUCTION LEADTIME: Various																					
CONTRACT DATE:																					
PRODUCTION DELIVER DATE:																					
Note: FY 1997 and prior installations include the Helicopter Landing System in the LAMPS MK III Upgrade. FY 1998 installations include the Alternate Traversing System in the LAMPS MK III Upgrade.																					

CLASSIFICATION: UNCLASSIFIED

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODIFICATION TITLE: LAMPS MK III UPGRADE

INSTALLATION SCHEDULE:

INPUT ==>	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
FY 1996 & Prior	1	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
FY 1997	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 1998	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 1999	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 2001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 2003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TO COMPLETE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL INPUT

4

OUTPUT ==>	FY 1996 & Prior	FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
FY 1996 & Prior	0	0	0	1	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
FY 1997	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 1998	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 1999	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 2001	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 2002	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FY 2003	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TO COMPLETE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

TOTAL OUTPUT

4

P-3A

CLASSIFICATION:

UNCLASSIFIED

TIME PHASED REQUIREMENT SCHEDULE P-23					A. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - Aviation Support Equipment								B. P-1 ITEM NOMENCLATURE LAMPS MK III SHIPBOARD EQUIPMENT								C. DATE February 1997				LATER
	FY 1996				FY 1997				FY 1998				FY 1999				FY 2000				FY 2001				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY (P)			1					1		2															
SCHOOLS/OTHER TRAINING (P)																									
OTHER (P)																									
TOTAL PHASED REQ (C)	0	0	1	1	1	1	1	2	2	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
ASSETS ON HAND (BP)																									
DELIVERY FY 96 & PRIOR (P)	3	1																							
FY 96 & PRIOR (P)																									
FY 97 (P)																									
FY 98 (P)																									
FY 99 (P)																									
(P)																									
(P)																									
(P)																									
(P)																									
TOTAL ASSETS (C)	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	
QTY OVER (+) OR SHORT (-)	3	4	3	3	3	3	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
D. REMARKS LAMPS MK III comprised of the following components: AN/SRQ-4, HLS and Acoustic Processor				E. RQMT (QTY)					TOTAL RQMT		INSTALLED		ON HAND AS OF 10/1/96		FY 99 & PRIOR UNDELIVERED		UNFUNDED								
				1. APPN - OPN					4		0		0		4		0								
				2. APPN -																					
				3. PROCUREMENT LEADTIME					ADMIN Var		INITIAL ORDER Var		REORDER Var												

DD for 2447, JUN 86

P-1 SHOPPING LIST

CLASSIFICATION:

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UNCLASSIFIED

CLASSIFICATION:

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TIME PHASED REQUIREMENTS SCHEDULE (SUPPLEMENT SHEET-INSTALLATION DATA) P-23A												DATE February 1997			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - Aviation Support Equipment								P-1 ITEM NOMENCLATURE/PROJECT UNIT LAMPS MK III SHIPBOARD							
1ST QTR		2ND QTR		3RD QTR		4TH QTR		1ST QTR		2ND QTR		3RD QTR		4TH QTR	
E.I./L	QTY	E.I./L	QTY	E.I./L	QTY	E.I./L	QTY	E.I./L	QTY	E.I./L	QTY	E.I./L	QTY	E.I./L	QTY
FY 1996								FY 1997							
				DDG-995	1									DDG-993	1
FY 1998								FY 1999							
				DDG-994	1										
				DDG-996	1										

P-1 SHOPPING LIST

CLASSIFICATION:

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CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: Feb 1997			
APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE REWSON PHOTOGRAPHIC EQUIPMENT			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	0.6	0.9	0.7	1.3	1.7	1.7	1.8	1.8
<p>This line procures photographic film processing, printing, and film interpretation equipment for the exclusive support of the on-going intelligence mission of CV/CVNs. Specifically, this equipment primarily supports the mission of the F-14 borne Tactical Airborne Reconnaissance Pod System (TARPS) as well as related Carrier Intelligence Center (CVIC) photographic requirements, and the hand held intelligence photography collected by the embarked Airwing (nine squadrons) and deployed Carrier Battle Group (CVBG). The CVBG normally consists of the CV/CVN and its support ships.</p> <p>Also, this equipment supports the photographic intelligence that is disseminated from internal and National sources to the Airwing (CVW) and CVBG. TARPS imagery is often provided to in-theater NATO forces as well. TARPS remains the <u>only</u> tactical aerial photographic reconnaissance asset in theater and is directly controlled by the Theater Commander.</p> <p>This line also procures digital equipment for the exploitation, interpretation and printing of digital imagery downlinked from TARPS. The digital suites can be expanded in the future to be used for exploitation of video imagery from tactical and strategic reconnaissance systems (including FLIR).</p> <p>The FY96-03 funds are continuing to procure the needed inventory objective of subject equipments. They are also providing new equipment for scanning and digital dissemination of TARPS film imagery.</p>								

CLASSIFICATION:

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WEAPONS SYSTEM COST ANALYSIS P-5									DATE: FEB 1997	
APPROPRIATION/BUDGET ACTIVITY: Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT				P-1 ITEM NOMENCLATURE/SUBHEAD REWSON PHOTOGRAPHIC EQUIPMENT Y3S4						
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
S4019	MISC SMALL EQUIPMENT & ECPS	A		228		0		79		93
S4830	PRODUCTION ENGINEERING & LOGISTICS	A		365		315		149		261
S4XXX	DIGITAL BASE STATION	A		0	4	600	3	465	6	960
TOTAL				593		915		693		1,314

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CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)								A. DATE FEB 1997		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT				C. P-1 ITEM NOMENCLATURE REWSON PHOTOGRAPHIC EQUIPMENT				SUBHEAD Y3S4		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
S4XXX DIGITAL BASE STATION FY 1997 FY 1998 FY 1999	TBD	C/MIPR/FP	NRAD	Jun-97	Sep-97	4	150.0	YES	NO	N/A
	TBD	C/MIPR/FP	NRAD	Jun-98	Sep-98	3	155.0	YES	NO	N/A
	TBD	C/MIPR/FP	NRAD	Jun-99	Sep-99	6	160.0	YES	NO	N/A
D. REMARKS										

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BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: February 1997			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - Aviation Support Equipment					P-1 ITEM NOMENCLATURE STOCK SURVEILLANCE EQUIPMENT			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	\$1.5	\$1.6	\$1.6	\$1.8	\$1.8	\$1.8	\$1.9	\$1.9
<p>PROGRAM DESCRIPTION/JUSTIFICATION/EXECUTION. The NAVAIRSYSCOM (AIR-3.1.1) Stock Surveillance Equipment (SRV) program furnishes varied specialized and ancillary test equipment/systems for both air-to-air and air-to-ground missiles, ordnance, ammunition and their related components. The SRV Program directly supports the System Effectiveness Engineering (SEE) Program. This helps to provide accurate indicators for Fleet readiness in regard to safety, serviceability, reliability, availability, quality and mission effectiveness. The following SEE activities participate in the SRV Program: NAVSURWARCEN Crane Div., NAVSURWARCEN Indian Head Div., WPNSTA Yorktown, and NWADiv. Corona.</p> <p>NAVSURWARCEN Crane and Indian Head Divisions are responsible for procurement of missile and ordnance energetic test equipment. WPNSTA Yorktown is responsible for procurement of missile electronic component test equipment and analysis equipment. NWAD Corona is responsible for procurement of equipment to analyze missile firing telemetry data.</p> <p>AIR LAUNCHED GUIDED MISSILES - All-Up-Round (AUR) missiles presently supported are: PHOENIX, SIDEWINDER, SPARROW, AMRAAM, HARPOON, HARM, HELLFIRE, MAVERICK, SIDEARM, PAVEWAY III, WALLEYE, and their related equipment.</p> <p>AIRBORNE ORDNANCE/AMMUNITION/SPECIAL STORES - Weapons/Stores presently supported are: Aircrew escape propulsion systems, cartridges, explosive ordnance system devices, cartridge actuated devices, common aircrew ejection set, gun ammunition/fuzing systems, pyrotechnics, aircraft rockets, general purpose bombs, cluster weapons, and their related components.</p>								

P-1 SHOPPING LIST

CLASSIFICATION:

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WEAPONS SYSTEM COST ANALYSIS										DATE:			
P-5										February 1997			
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE/SUBHEAD									
Other Procurement, Navy				STOCK SURVEILLANCE EQUIPMENT								43S2	
BA 3 - Aviation Support Equipment													
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS										
			FY 1996		FY 1997		FY 1998		FY 1999				
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST			
S2005	Air-Launched Guided Missiles			700		931		1,011		1,172			
S2006	Air-Launched Ordnance			778		627		575		670			
GRAND TOTAL				1,478		1,558		1,586		1,842			

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CLASSIFICATION:

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE February 1997	
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - Aviation Support Equipment				C. P-1 ITEM NOMENCLATURE STOCK SURVEILLANCE EQUIPMENT				SUBHEAD 43S2		
COST ELEMENT/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
S2005 Air-Launched Guided Missile										
FY 1996 DETONATOR BALLISTIC CHAMBER	TBD	C/FP	CRANE	Jun-96	May-97	1	130.0	Yes	N/A	
FY 1997 CONDITIONING CHAMBER	TBD	C/FP	INDIAN HEAD	Jun-97	May-98	1	130.0	Yes	N/A	
FY 1998 REAL TIME X-RAY SYSTEM	TBD	C/FP	INDIAN HEAD	Jun-98	May-99	1	280.0	Yes	N/A	
S2006 Air-Launched Ordnance										
FY 1996 SCANNING ELECT. MICRO.	TBD	C/FP	CRANE	Jun-96	May-97	1	235.0	Yes	N/A	
FY 1997 PYROTECHNIC/PROPELLANT TEST CONTAINMENT CHAMBER	COMARCO Bloomfield, IN	C/FP	CRANE	Jun-97	May-98	1	231.0	No	N/A	
ENVIRONMENTAL TEST CHAMBER	TBD	C/FP	CRANE	Jun-97	May-98	1	126.0	Yes	N/A	
FY 1999 TJA ENVIRONMENTAL PURGE	TBD	C/FP	INDIAN HEAD	Jun-99	Jul-00	1	165.0	Yes	N/A	
D. REMARKS ONLY EQUIPMENT PROCUREMENTS OVER \$100k ARE IDENTIFIED.										

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BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: February 1997			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE OTHER AVIATION SUPPORT EQUIPMENT			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	\$13.0	\$7.7	\$6.2	\$6.4	\$6.5	\$4.6	\$4.7	\$4.8
<p>The following items are funded in this line:</p> <ol style="list-style-type: none"> Tactical Aircraft Mission Planning Systems (TAMPS) - FY 1996 only Industrial Facilities Equipment Capital Automated Data Processing Equipment (ADPE) NAVAIR Support Equipment (ADPE) - FY 1996 only <ol style="list-style-type: none"> Tactical Aircraft Mission Planning System (TAMPS) *In FY 1997 and beyond TAMPS is budgeted in OPN BA 2 under P-1 line item 93, TAC A/C MISSION PLANNING SYS (TAMPS). Detailed justification for the TAMPS is provided in the OPN BA 2 backup book. Industrial Facilities Equipment This item supports funding of capital costs associated with the Navy's government-owned but contractor-operated Deep Water Test Facility at San Clemente Island. Capital ADPE Procurements supporting the NAVAIR organization (NALDA and I/ETMS), which were formerly budgeted and managed under the Computer Acquisition Program (CAP) in FY 1995 and prior is now directly controlled by NAVAIR, effective FY 1996. Details regarding these NAVAIR Capital ADPE projects are provided below: 								

P-1 SHOPPING LIST

CLASSIFICATION:

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CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: February 1997			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE OTHER AVIATION SUPPORT EQUIPMENT			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	\$13.0	\$7.7	\$6.2	\$6.4	\$6.5	\$4.6	\$4.7	\$4.8
<p>3a. Naval Aviation Logistics Data Analysis (NALDA):</p> <p>NAVAIR was directed by the CNO to extend NALDA to additional USN and USMC activities, principally the Fleet and to all NAVAIR Team sites. Sufficient automated data processing equipment (ADPE) and accessibility to the NALDA data base is presently not available at most Navy and Marine Corps Fleet level maintenance and repair facilities. The ADPE is necessary to eliminate the current on-going degradation of their capability to make informed decisions affecting material readiness, safety, and resource allocations.</p> <p>NALDA is the aviation logistics and engineering communities corporate integrated logistics support (ILS) data system to accommodate logistics data reporting requirements and performance of critical mission analyses to achieve Affordable Readiness and Total Cost of Ownership decision-making. NALDA provides the following capabilities: (1) a cost-effective, integrated aviation maintenance/logistics data bank; (2) standardized procedures for data access and data analysis techniques; (3) aviation hardware/software/firmware configuration management/tracking capabilities; (4) consolidation of redundant autonomous systems into a single system; (5) standardized, aviation-wide MIS Support; (6) a Logistics Support Analysis Record (LSAR) data system; (7) an accurate configuration management and serial number tracking data system implemented using the CMIS software for aviation weapons systems - the fleet's number one priority to improve readiness and safety of flight; (8) more timely (daily) receipt of fleet AV-3M and configuration data; (9) ability to access centralized fleet-wide, near real-time, operational readiness data from NALDA in accordance with DOD data security regulation; (10) Logistics Management Decision Support System (LMDSS); (11) Technical Data interfaces to JEDMICS and TMPODS; (12) Aircraft Inventory and Readiness Reporting System (AIRRS); (13) Contractor Maintenance and CITIS interfaces; (14) Training and Manpower Logistics data; (15) Total Cost of Ownership; (16) Infrastructure to deploy JLSC MM and JCALS standard systems to the TEAM and Fleet; and (17) Other ILS elements. Information available from the NALDA data bank consists of aviation maintenance, engineering, operational readiness, safety, configuration management, parts life tracking, and other critical logistics data for all naval aircraft, engines, components, support equipment, airborne weapons, and other aviation weapons equipment.</p>								

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BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: February 1997			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE OTHER AVIATION SUPPORT EQUIPMENT			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	\$13.0	\$7.7	\$6.2	\$6.4	\$6.5	\$4.6	\$4.7	\$4.8
<p><u>NALDA - con't</u></p> <p>Funding budgeted in FY 1998 and FY 1999 is required to provide the additional hardware, networking, systems and applications software and infrastructure necessary to deploy Total Cost of Ownership and affordable Readiness functional capabilities described above to additional TEAM/Fleet activities. NALDA information and tools will enable significant cost reductions in naval aviation logistics, achieving more affordable readiness, eliminating redundant logistics information systems, improving aircraft configuration management and safety of flight, and permitting improved aircraft inventory and life extension management needed to permit recapitalization and modernization.</p> <p>Data reporting requirements for the NALDA system are directed by OPNAV and NAVAIR as defined primarily by the Naval Aviation Maintenance Program (NAMP) manual. Users of the NALDA system are located at all TEAM/Fleet, TYCOMS, Wings, Intermediate Maintenance Activities, and other aviation logistics activities. The NALDA system architecture is compliant with the DISA TAFIM and Common Operating Environment (COE).</p> <p><u>3b. Interactive/Electronic Technical Manual System (I/ETMS)</u></p> <p>I/ETMS is a strategy which supports the Automated Library Technical Manual System (ALTMS) and Automated Technical Information System (ATIS), NAVAIR application ATIS (AIR) programs.</p>								

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CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: February 1997			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE OTHER AVIATION SUPPORT EQUIPMENT			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	\$13.0	\$7.7	\$6.2	\$6.4	\$6.5	\$4.6	\$4.7	\$4.8
<p><u>I/ETMS - con't</u></p> <p>The objective of the I/ETMS strategy is to provide the capability to receive and use digital technical information in the support of developing and fielding Naval Aviation Weapon Systems and Equipment. I/ETMS is the result of a DOD/DON CALS implementation requirement to eliminate paper technical manuals and provide electronic technical manuals to the aviation maintenance community. The I/ETMS configuration consists of the hardware, software, and network interfaces to support fleet maintenance activity to receive, store, and use electronically presented maintenance technical information.</p> <p>ATIS (AIR) is designed to develop and implement at intermediate level maintenance activities an automated system for the distribution, delivery, and display of digital technical data, which will augment the capability provided by ALTMS. ATIS (AIR) is intended to satisfy requirements for value-added digital delivery, improved maintenance and supply functionality, and provide interfaces to existing fleet information systems (ISs).</p>								

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CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: February 1997			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE OTHER AVIATION SUPPORT EQUIPMENT			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	\$13.0	\$7.7	\$6.2	\$6.4	\$6.5	\$4.6	\$4.7	\$4.8
<p><u>4. NAVAIR Support Equipment</u></p> <p>Includes investment equipment used in the operation of NAVAIR Headquarters, and NAVAIR Field Activities such as the Naval Air Warfare Center, Training Systems Division, Orlando, FL, the Pacific Missile Range Facilities (PMRF), Hawaii, and the Naval Air Technical Services Facility (NATSF), Philadelphia. Support equipment is also provided for the Naval Air Warfare Center, Weapon Division, Point Mugu, CA and the Naval Air Warfare Center, Aircraft Division, Patuxent River, MD. This equipment is evaluated on a cost-effective (lease vs. purchase) basis. The FY 1996 program (cost code S7020, OIS Headquarters SE) provides for the procurement of necessary upgrades to the existing NAVAIR Headquarters Network (NHN). NHN provides an integrated data communications network that extends the capabilities of the Naval Air Systems Command, its Program Executive Offices, and Naval Air Warfare Center Headquarters to support management of aviation design, development, engineering, logistics support, contract and budgetary data.</p>								

CLASSIFICATION:

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WEAPONS SYSTEM COST ANALYSIS										DATE:	
P-5										February 1997	
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE/SUBHEAD							
Other Procurement, Navy											
BA 3 - AVIATION SUPPORT EQUIPMENT				OTHER AVIATION SUPPORT EQUIPMENT 43S7/U3S7/Y3S7							
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS								
			FY 1996		FY 1997		FY 1998		FY 1999		
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	
	PEO (T) TAMPs			4,789		*		*		*	
S7030	PEO (A) INDUSTRIAL FAC. EQUIP.			174		189		187		233	
S7040	CAPITAL ADPE			5,067		4,648		5,978		6,182	
S7060	NALDA			2,185		2,884		0		0	
	I/ETMS										
S7020	OIS Headquarters SE			805		0		0		0	
* IN FY 1997 AND BEYOND TAMPs IS BUDGETED IN OPN BA 2 UNDER P-1 LINE ITEM 93, TAC A/C MISSION PLANNING SYS (TAMPs) DETAILED JUSTIFICATION FOR THE TAMPs PROGRAM IS PROVIDED IN THE OPN BA 2 BACKUP BOOK											
				13,020		7,721		6,165		6,415	

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)								A. DATE February 1997		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT				C. P-1 ITEM NOMENCLATURE OTHER AVIATION SPT EQUIP				SUBHEAD 43S7/U3S7/Y3S7		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
S7040 - NALDA										
FY 1996	FDSC*		NAVSUP/SPCC	1/96	7/96	14**	358.3	YES	NO	N/A
FY 1997	FDSC*		NAVSUP/SPCC	1/97	7/97	12**	395.6	YES	NO	N/A
FY 1998	FDSC*		NAVSUP/SPCC	1/98	7/98	14**	428.8	YES	NO	N/A
FY 1999	FDSC*		NAVSUP/SPCC	1/99	7/99	14**	443.8	YES	NO	N/A
D. REMARKS										
S7040: * FDSC is the Federal Data Systems Corporation (FDSC) NAVSUP SPLICE contract #N66032-D-84-0002. ** Quantities reflect complete systems comprised of several components.										

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